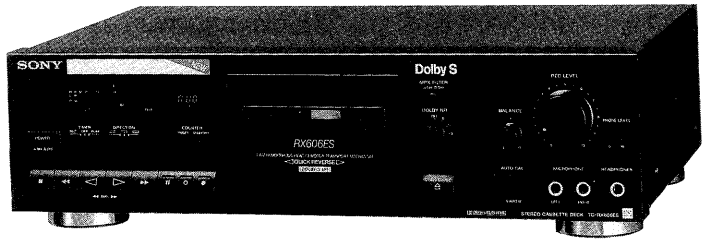
TC-RX606ES/RX611S

SERVICE MANUAL

US Model
Canadian Model
TC-RX606ES
AEP Model
RX611S



* Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.
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Model Name Using Similar Mechanism	TC – RX79
Tape Transport Mechanism Type	TCM – 200R10

SPECIFICATIONS

Recording system	4-track 2-channel stereo
Fast winding time	Approx. 90 sec. (with Sony C-60 cassette)
Bias	AC bias
Heads	Erasing head × 1 (ferrite head) Playback/Recording head × 1 (LA head)
Motors	Capstan motor × 1 (DC servo motor) Reel motor × 1 (DC motor) Assist (mechanism drive) motor × 1 (DC motor)

Signal-to-noise ratio (at peak level and weighted)

Cassette (Dolby NR off)	Type IV (Sony ES-IV)	Type II (Sony UX-S or UX)	Type I (Sony HF-S)
	59 dB	58 dB	56 dB

S/N ratio improvement (approximate values)
With Dolby B NR on : 5 dB at 1 kHz; 10 dB at 5 kHz
With Dolby C NR on : 15 dB at 500 Hz; 20 dB at 1 kHz
With Dolby S NR on : 10 dB at 100 Hz; 24 dB at 1 kHz

Harmonic distortion 0.4% (with Sony HF-S, 160 nWb/m, 315 Hz, 3rd H.D.)
1.8% (with Sony ES-IV, 250 nWb/m, 315 Hz, 3rd H.D.)

Frequency response (Dolby NR off)

Type Iv cassette (Sony ES-IV)	20-20,000Hz (±3dB, IEC) (RX606ES) 20-19,000Hz (±3dB, IEC) (RX611S) 30-15,000Hz [±3dB (–4dB, recording)]
Type Iv cassette (Sony UX-S or UX)	25-18,000Hz (±3dB, IEC)
Type Iv cassette (Sony HF-S)	25-16,000Hz (±3dB, IEC)

Wow and flutter ±0.09% W.Peak (IEC)
0.06% W.RMS (NAB)
±0.16% W.Peak (DIN)

Inputs

Line inputs (phono jacks)	Sensitivity	0.16 V
	Input impedance	47 k ohms
Microphone inputs (phono jacks)	Sensitivity (For a low-impedance microphone)	0.4 mV

Outputs

Line outputs (phono jacks)	Rated output level	0.5 V at a load impedance of 47 k ohms
	Load impedance	Over 10 k ohms
Headphones (stereo phone jack)	Output level	0 - 3 mW at a load impedance of 32 ohms

General

Power requirements	120 V AC, 60 Hz (US, Canadian model) 220V AC, 50/60Hz (AEP model)
Power consumption	20 W
Dimensions	Approx. 430 × 123 × 306 mm (w/h/d) (17 × 4⅞ × 12⅛ inches) including projecting parts and controls
Mass	Approx. 4.8 kg (10 lbs 10 oz)

Supplied accessories
Audio connecting cords (2)

Design and specifications are subject to change without notice.

使用時は添付資料も参照のこと
Refer to the additional documents.

STEREO CASSETTE DECK

SONY®

Chapter 1 Getting Started

Features

For higher quality recording/playback
- **The Dolby HX PRO* system** which improves the linearity of the tape's high-range response during recording.
- **B, C and S type Dolby NR* systems** which reduce tape noise.
- **Automatic calibration** which ensures optimum recording conditions to bring out the best in every tape.
- **Ceramic cassette holder** for improved stability of tape running during playback and recording.

For your convenience
- **Quick reversing** at the end of a tape to minimize interruptions during playback and recording.
- **The Multi-AMS and Memory Play functions** which provide easy access to a desired selection.
- **Timer-activated playback and recording** through the use of an optional timer.
- **Automatic switching between line and microphone input** when recording with a microphone.

For easier operation
- **Easy-to-read linear counter** which shows the elapsed recording or playing time.

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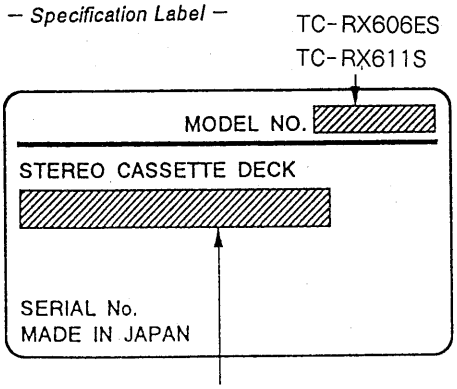
MODEL IDENTIFICATION

– Specification Label –



US, Canadian Model : AC : 120V 60Hz 20W
AEP Model : AC : 220-230V 50/60Hz 20W

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

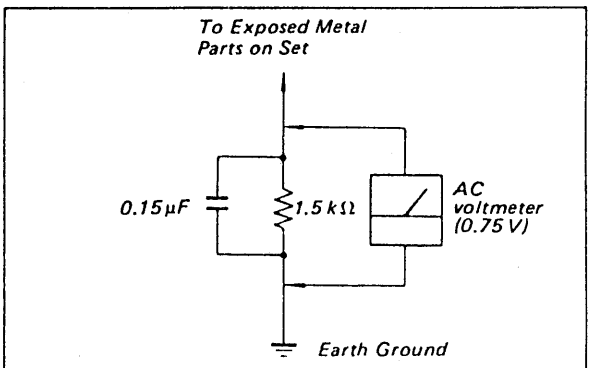


Fig. A. Using an AC voltmeter to check AC leakage.

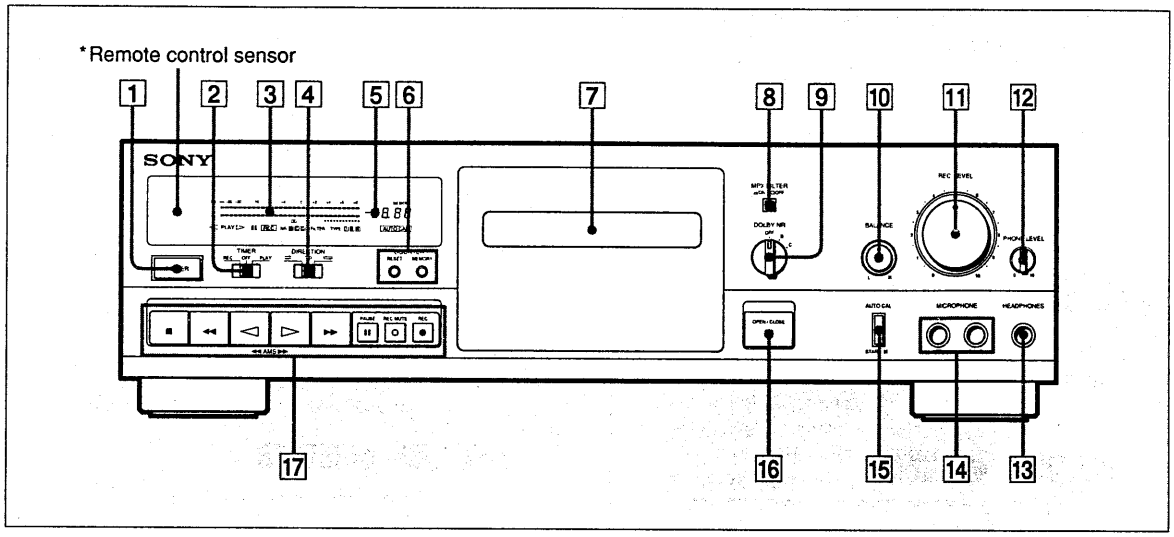
SECTION 1

GENERAL

This section is extracted from instruction manual of TC-RX606ES.

Identifying the Parts

Front Panel



For details, refer to the page number(s) indicated in parentheses.

1 **POWER switch**
2 **TIMER switch (page 16)**
3 **Peak level meter (page 13)**
4 **DIRECTION mode switch (pages 7 and 11)**
5 **Linear counter (page 10)**
6 **COUNTER buttons**
RESET button (page 10)
MEMORY button (pages 9 and 10)
7 **Cassette holder**
8 **MPX FILTER button (page 13)**
9 **DOLBY NR (noise reduction) switch (pages 7 and 11)**
10 **BALANCE control (page 11)**
11 **REC (recording) LEVEL control (pages 11 and 13)**
12 **PHONE (headphones) LEVEL control (page 7)**
13 **HEADPHONES jack (stereo phone jack) (page 7)**
14 **MICROPHONE jacks (phone jacks)**
15 **AUTO CAL button (page 14)**
16 **≙ OPEN/CLOSE button**
17 **Tape operation buttons**
■ (stop) button
◀◀ (leftward fast winding) (Multi-AMS**) button
◀ (reverse play) button
▶ (forward play) button
▶▶ (rightward fast winding) (Multi-AMS**) button
❚❚ PAUSE button
O REC MUTE (record muting) button (page 15)
● REC (recording) button

***Remote control sensor**
You can remotely control this cassette deck with:
— A remote commander that came with a Sony amplifier or receiver if it has the RM mark and cassette deck control capability.
— An optional Sony remote commander with the RM mark and cassette deck control capability.

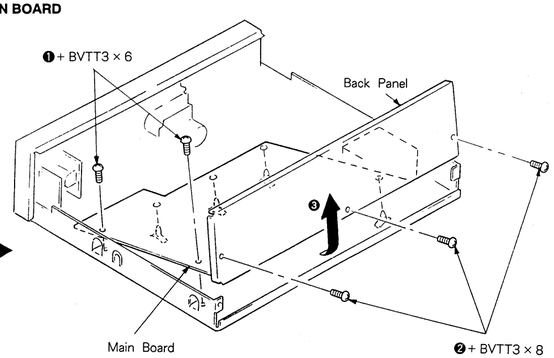
**AMS is an abbreviation for Automatic Music Sensor.

SECTION 2
DISASSEMBLY

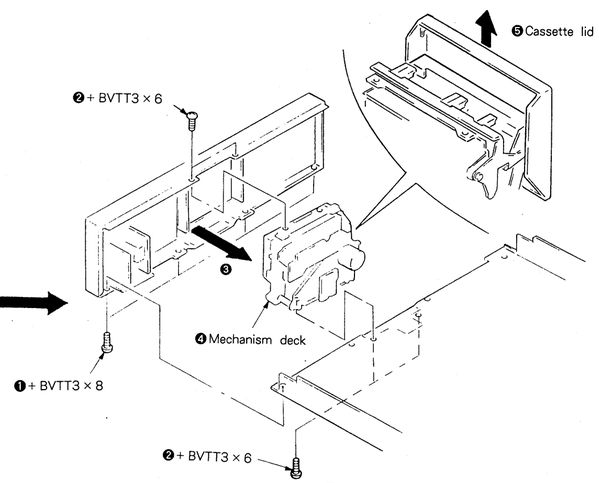
NOTE : Follow the disassembly procedure in the numerical order given.

Unscrew four screws (M3 × 8) and remove the upper case.

• **MAIN BOARD**

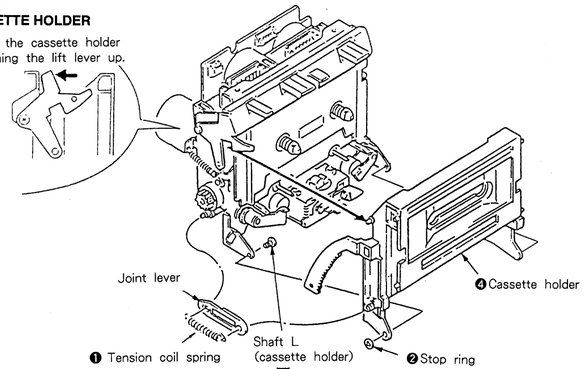


• **MECHANISM DECK**



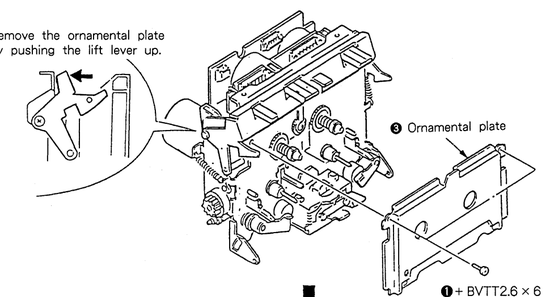
• **CASSETTE HOLDER**

❸Remove the cassette holder by pushing the lift lever up.

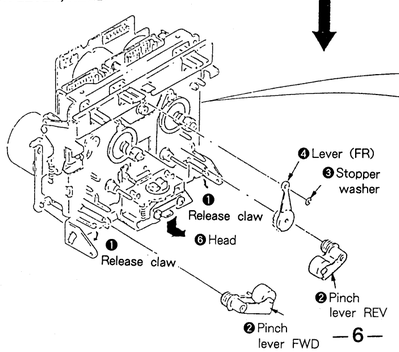


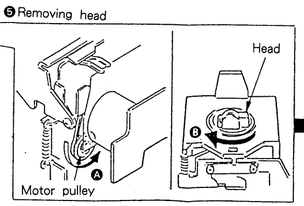
• **ORNAMENTAL PLATE**

❷Remove the ornamental plate by pushing the lift lever up.



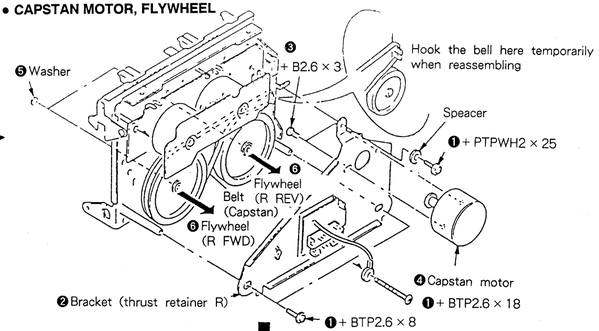
• **PINCH LEVER, HEAD**



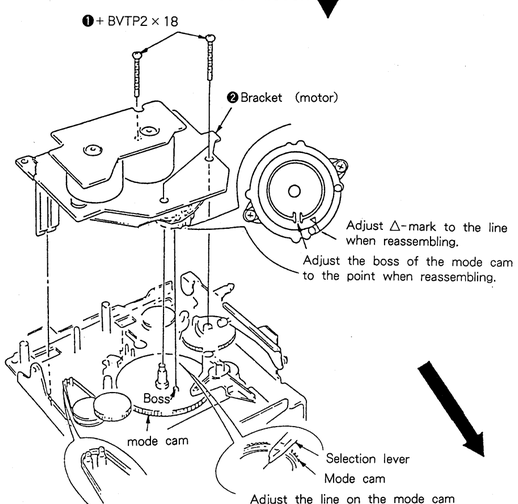


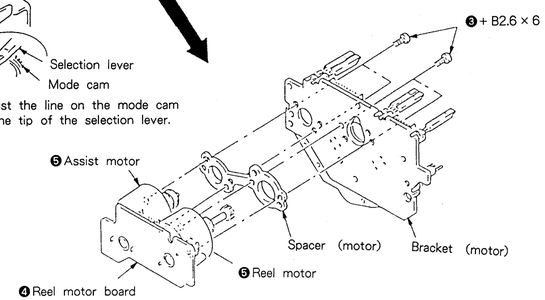
❺Turn the assist motor pulley by a finger in arrow Ⓐ direction and confirm that the head has turned in the direction of arrow Ⓑ. Remove then the head.

• **CAPSTAN MOTOR, FLYWHEEL**



• **REEL MOTOR AND ASSIST MOTOR**


❶+ BVTP2 × 18
❷Bracket (motor)
Adjust △-mark to the line when reassembling.
Adjust the boss of the mode cam to the point when reassembling.
Boss
mode cam
Selection lever
Mode cam
Adjust the line on the mode cam to the tip of the selection lever.
Hook the belt here temporarily when reassembling.



SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENT

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab :
   record/playback head　　pinch roller
   erase head　　rubber belts
   capstan　　idler
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed in the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	30-60g • cm (0.42-0.84 oz • inch)
FWD Back tension	CQ-102C	1-5g • cm (0.014-0.07 oz • inch)
REV	CQ-102RC	30-60g • cm (0.42-0.84 oz • inch)
REV Back tension	CQ-102RC	1-5g • cm (0.014-0.07 oz • inch)
FF, REW	CQ-201B	65-90g • cm (0.91-1.26oz • inch)

3-2. ELECTRICAL ADJUSTMENT

1. This adjustment should be performed in the order given in the service manual. (As a rule, adjustments about playback should be performed before those about recording.)
2. The adjustments should be performed for both L-ch and R-ch.
3. Simultaneous recording/playback can be established by connecting a signal to LINE IN, setting up the record mode and selecting tape monitor. The recorded signal is played back from LINE OUT simultaneously.

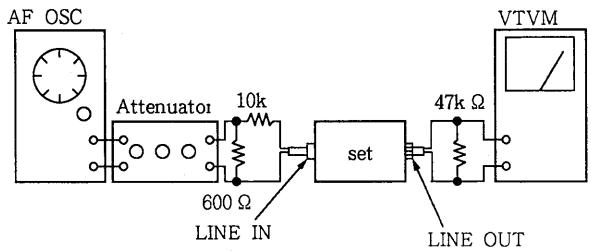
• Switches and controls should be set as follows unless otherwise specified.

DOLBY NR switch : OFF
TIMER switch : OFF
DIRECTION switch : ⇄
MPX FILTER switch : OFF

4. Execute the following adjustments in TEST mode. Establish the TEST mode by inserting the shorting plug CNE805 (2P EH).
   Check that all FL tubes light in TEST mode.
   Upon completion of adjustment, remove the shorting plug.

• Standard Record :
Deliver the standard input signal level to the input jack and set the REC LEVEL (RV604) and BALANCE (RV605) to obtain the standard output signal level.

– Record Mode –



0 dBV = 1V

Standard Input Level

input terminal	LINE IN
source impedance	10k Ω
input level	0.5V (-6dB)

Standard Output Level

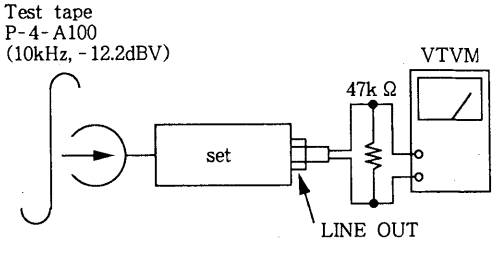
output terminal	LINE OUT
load impedance	47k Ω
output level	0.5V (-6dB)

[FWD/REV Head Azimuth Adjustment]

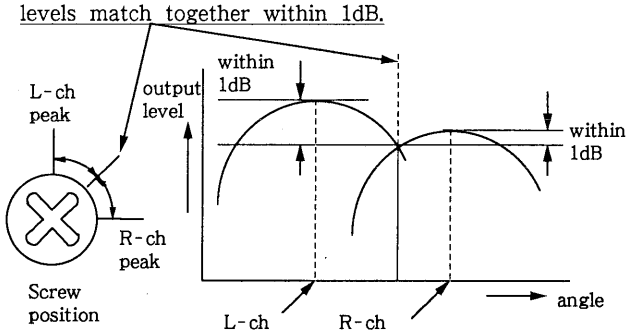
Note : Perform this adjustment after head rotated.
(When head is in FWD direction, start adjustment with REV.)
Finish this adjustment screw with tightening (clockwise) direction.

Procedure :

1. Mode : FWD playback

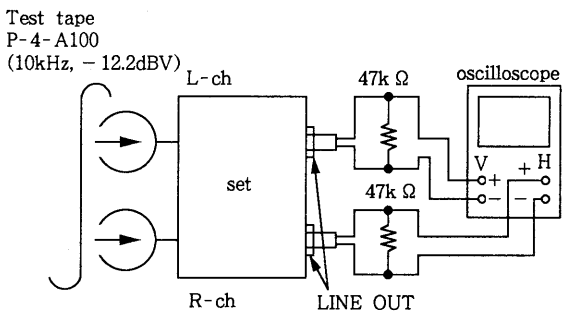


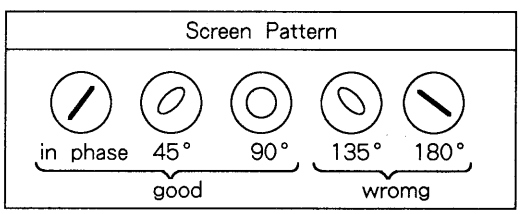
2. Turn the adjustment screw for the maximum output levels of both L-ch and R-ch. If these levels do not match, turn the adjustment screw until both of output levels match together within 1dB.



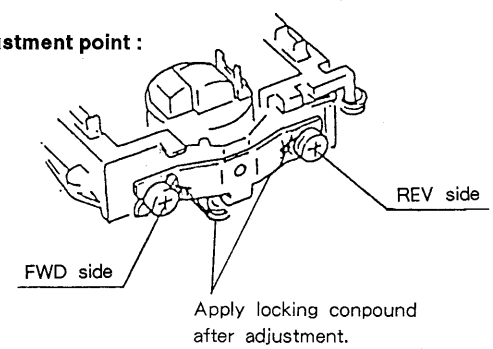
3. Phase Check

Mode : playback



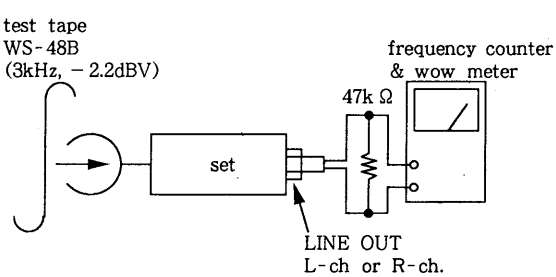


Adjustment point :



[Tape Speed/Wow Check]

Procedure :



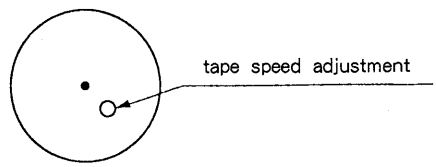
1. Playback the tape top of the test tape. Measure output frequency and wow.
2. Measure in both FWD and REV modes.

Specifications

tape speed	
check limit	: 2970~3030Hz
adjustment value (FWD)	: 2985~3015Hz
wow (wrms)	: less than 0.11 %

Adjustment location :

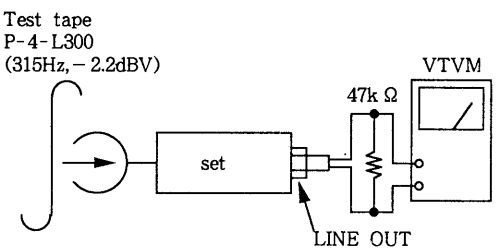
MD (rear of motor)



[Playback Level Adjustment]

Procedure :

Mode : playback



Adjust RV101 (L-ch) and RV201 (R-ch) so that the reading on VTVM meets the adjustment limits below.

Adjustment Limits :

LINE OUT level : 0.301~0.338V (– 10.5dB~ – 9.5dB)

Level difference between channels : less than 0.5dB

Check that the LINE OUT level does not change even if Playback and Stop operation is repeated several times.

[Bias Current Consumption Adjustment]

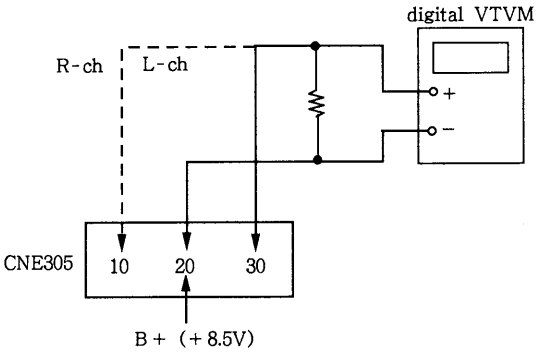
Note :

Perform bias current consumption adjustment before record bias adjustment.

After completion of bias current consumption adjustment, re-adjust record bias adjustment.

Procedure :

1. Set record bias adjustments RV103 (L-ch) and RV203 (R-ch) to their mechanical center. Feed no signal to LINE IN. Establish REC/FWD mode.
2. Adjust T101 (L-ch) and T201 (R-ch) for minimum reading of digital VTVM.



measurement : less than 130mV
(The value is measured using CS-413 after completion of this adjustment.)

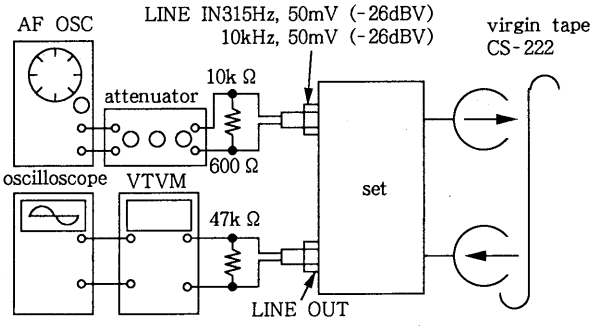
[Record Bias and Record Level Adjustment]

Conditions :

REC LEVEL control : standard record position (page 8)

Procedure :

1. Simultaneous record/playback mode



2. Adjust the followings so that minimum output level must have the specified standard output level.
   (1) Adjust RV103 (L-ch), RV203 (R-ch)
   ····· record bias adjustment
   (2) Adjust RV102 (L-ch), RV202 (R-ch)
   ·····record level adjustment

Adjustment value :

(1) 10kHz level with reference to 315Hz : − 0.5dBV∼ + 0.5dBV
(2) 315Hz level : − 26.5dBV ∼ − 25.5dBV

[REC EQ (IV) Adjustment]

• Record Bias and Record Level
Make adjust only when the 10kHz level output is higher in the Record Bias and Record Level Adjustment.

1. Connect the input signal (− 26dBV). Record the signal and play it back. Only when 10kHz signal level is 1dB higher or more then 315Hz level, adjust EQ ADJ RV104 (L-ch) and RV204 (R-ch) so that frequency response becomes flat.

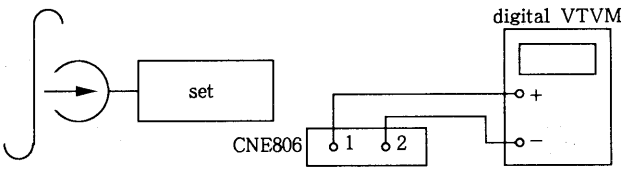
[Quick Reverse Adjustment]

Conditions :

DIRECTION MODE switch : ⇄

Procedure :

Quick reverse adjustment tape
(leader portion of black cassette half)
set digital VTVM

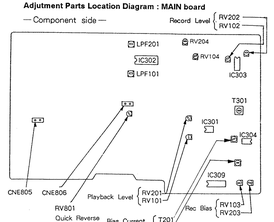


1. Insert the adjustment tape. Playback the leader portion in FWD mode.
2. Check CNE806 voltage for more than 4.5V. Adjust then RV801 for 4.5V ± 0.5V.
3. Repeat FWD and STOP several times and check then the adjustment voltage.
4. Enter DIRECTION MODE ⇆
5. Start playing back the tape top of the quick reverse check tape in FWD MODE.

Confirm that tape enters FWD mode at the junction of leader tape and magnetic tape.

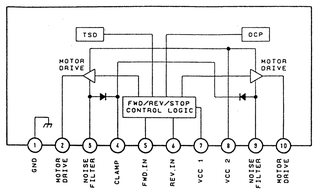
Adjustment Parts Location Diagram : MAIN board

— Component side —

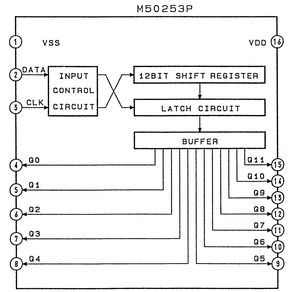


4-2. IC BLOCK DIAGRAM

- IC803 BA6219B
- IC804, 805 LB1641

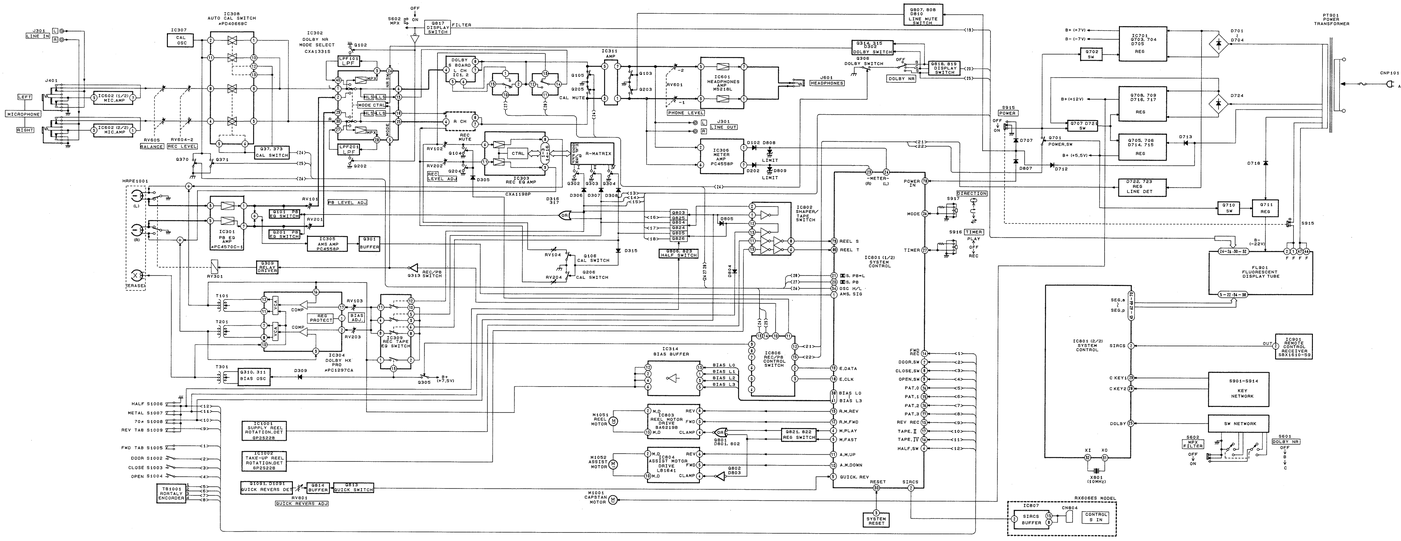


- IC806 M50253P

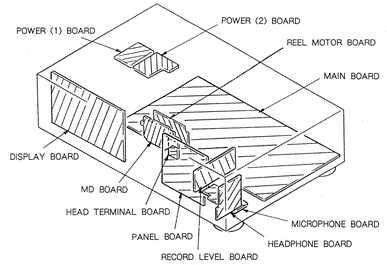


SECTION 4
DIAGRAMS

4-1. BLOCK DIAGRAM



4-3. CIRCUIT BOARDS LOCATION



4-4. SEMICONDUCTOR LEAD LAYOUTS

GP2S22B

PST572E

SBX1616-59

DTA114ES
DTA144ES
DTC114ES
2SD1020-HFE

2SA1175-HFE
2SC2785-HFE
2SC3623A-LK

TYPE NUMBER

2SA473
2SD2012

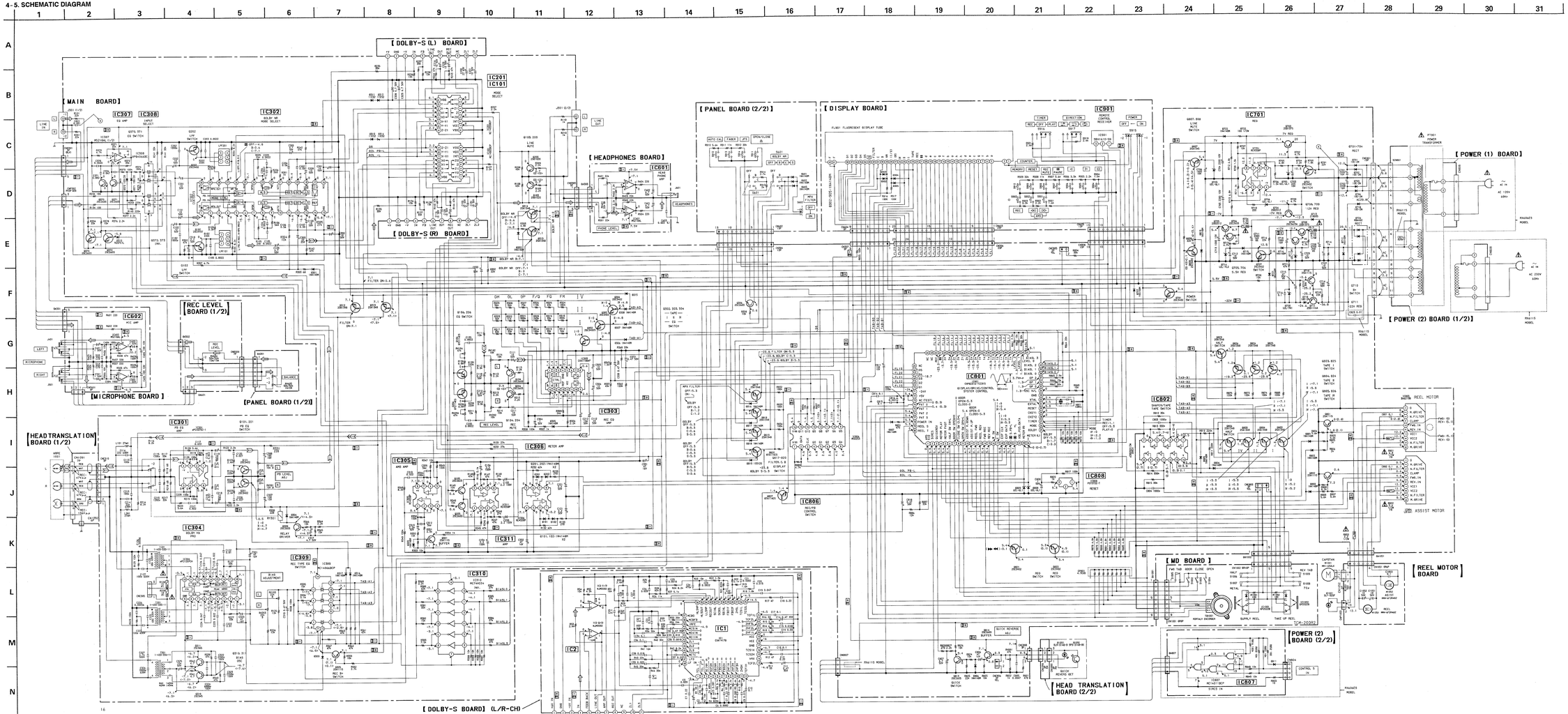
2SB1116A-L
2SC945-P

HZL-7L2
HZS-6A1L
UZL-7H1
UZL-12M1
1SS120

10E2
21DQ05

SEL2210S-C

4-5. SCHEMATIC DIAGRAM



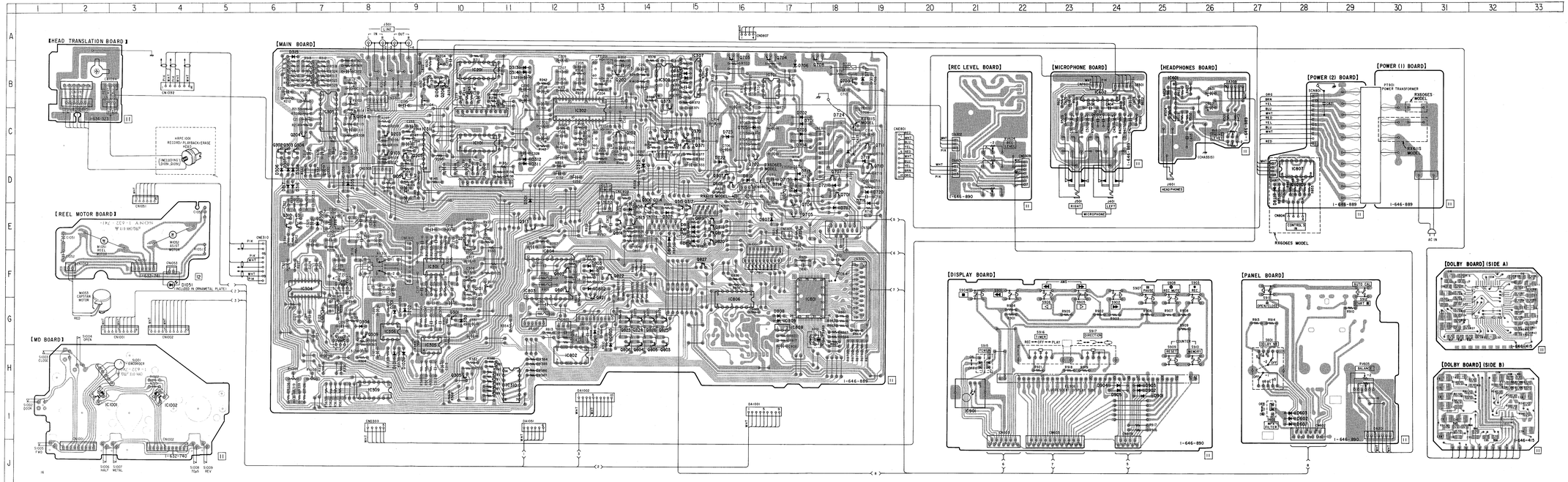
Note on Schematic Diagram :

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ⟨MW⟩ : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- B+ Line
- B− Line
- : adjustment for repair.
- Total current is measured with no cassette installed.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : STOP
- Voltages are taken with a VOM (input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : PB
  : REC

4-6. PRINTED WIRING BOARDS



● Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	H-9	D808	G-17	Q204	C-6
D102	H-9	D809	G-17	Q205	C-9
D201	G-9	D810	D-16	Q206	B-10
D202	G-9	D811	D-27	Q301	G-10
D301	D-11	D816	E-15	Q302	C-6
D302	E-14	D817	E-15	Q303	C-6
D303	G-10	D818	E-15	Q304	C-5
D304	G-8	D819	E-14	Q305	H-10
D305	D-8	D901	H-25	Q306	D-14
D306	D-6	D902	H-25	Q309	G-8
D307	D-6	D903	H-25	Q310	E-6
D308	D-6	D904	H-24	Q311	E-7
D309	E-7	D905	H-24	Q312	D-15
D310	D-14	D1051	F-4	Q313	E-11
D311	D-12			Q314	D-14
D312	D-12	IC1	G-32	Q315	D-15
D313	B-11	IC2	I-33	Q370	D-15
D314	B-11	IC101	C-10	Q371	C-15
D315	A-6	IC201	B-10	Q372	C-14
D316	D-6	IC301	F-9	Q373	B-14
D317	D-6	IC302	B-13	Q701	D-18
D370	B-15	IC303	C-7	Q702	D-16
D371	B-15	IC304	F-7	Q703	A-16
D601	I-28	IC305	G-8	Q704	A-17
D602	I-28	IC306	G-8	Q705	E-17
D603	I-28	IC307	A-15	Q706	D-17
D701	C-17	IC308	B-14	Q707	D-18
D702	C-17	IC309	H-8	Q708	B-18
D703	C-17	IC310	H-11	Q709	B-18
D704	C-17	IC311	C-9	Q710	D-19
D705	C-16	IC601	B-25	Q711	C-19
D706	B-17	IC602	B-24	Q801	F-12
D707	E-18	IC701	B-17	Q802	F-12
D712	D-17	IC801	F-17	Q803	H-14
D713	D-17	IC802	H-12	Q804	H-14
D714	D-17	IC803	F-11	Q805	H-14
D715	D-17	IC804	F-12	Q806	E-12
D716	D-19	IC806	F-16	Q807	D-15
D717	B-19	IC807	D-28	Q808	D-15
D718	C-18	IC808	G-17	Q813	E-13
D719	C-18	IC901	I-21	Q814	E-13
D720	D-19	IC1001	I-3	Q817	E-15
D721	D-18	IC1002	I-4	Q818	E-15
D722	C-15			Q819	E-15
D723	C-16	Q101	F-10	Q820	E-15
D724	C-18	Q102	C-14	Q821	F-13
D801	F-13	Q103	C-9	Q822	F-13
D802	F-13	Q104	C-8	Q823	G-14
D803	F-13	Q105	D-9	Q824	G-14
D804	G-13	Q106	B-9	Q825	G-14
D805	G-13	Q201	E-10	Q826	G-14
D806	E-14	Q202	B-13	Q827	F-15
D807	E-16	Q203	C-9		

Note on Mounting Diagram :

● o——— : Parts extracted from the component side.
● ▒▒▒ : Pattern on the side which is seen.

SECTION 5
EXPLODED VIEWS

NOTE:

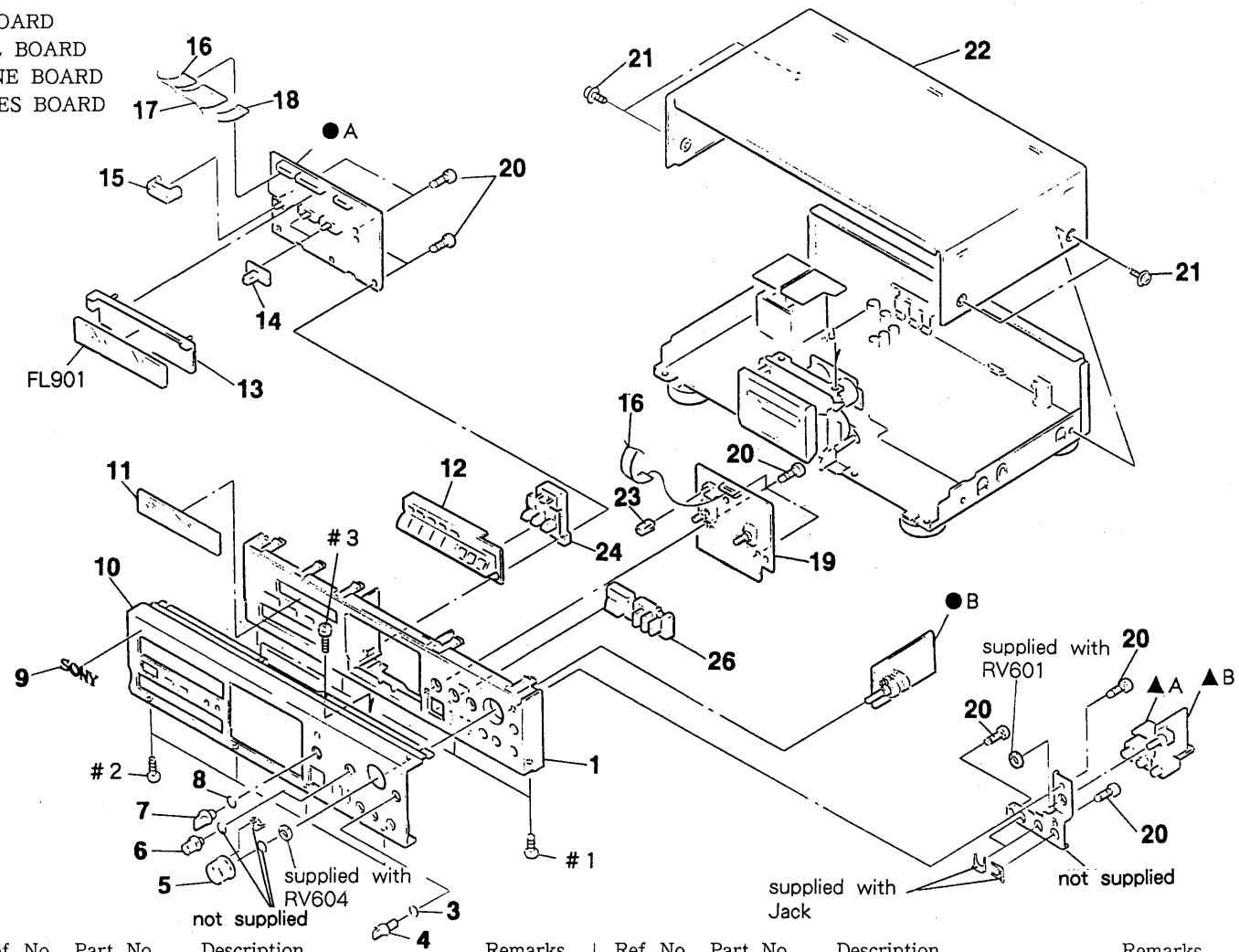
- −XX, −X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE)...(RED)
  ↑ ↑
  Parts color Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spéci-fie.

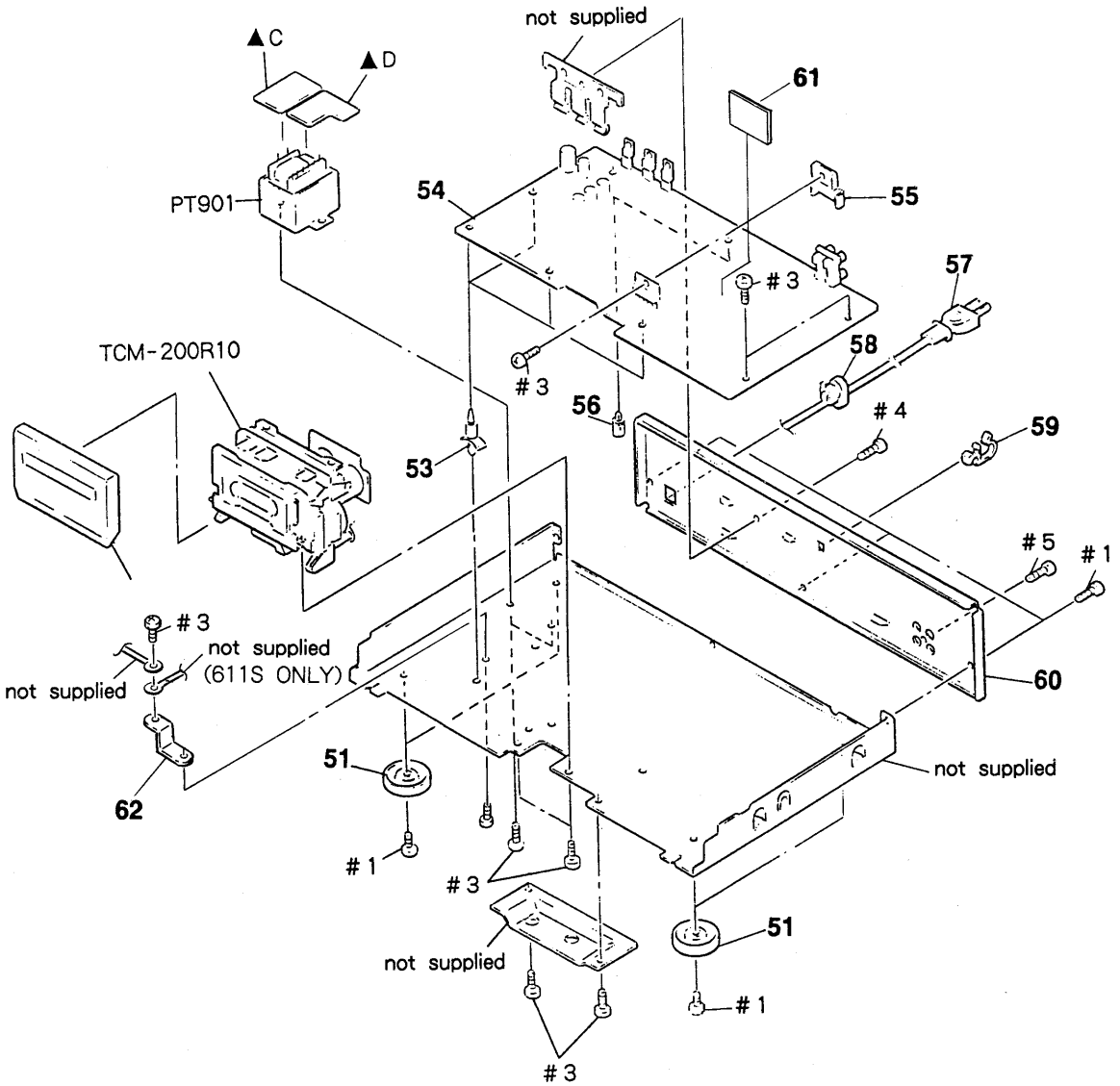
5-1. FRONT PANEL SECTION

●A : DISPLAY BOARD
●B : REC LEVEL BOARD
▲A : MICROPHONE BOARD
▲B : HEADPHONES BOARD



Ref. No.	Part No.	Description	Remarks
1	3-386-253-01	PANEL (BASE)	
3	3-370-186-01	SPRING (SWPA), RING	
4	3-350-495-01	KNOB (VOL)	
5	3-367-438-11	KNOB (REC)	
6	X-3365-387-1	KNOB (BAL) ASSY (B)	
7	4-908-097-21	KNOB	
8	3-350-440-01	SPRING	
9	4-942-568-01	EMBLEM (NO.5), SONY	
10	3-386-251-11	PANEL, FRONT (606ES)	
10	3-386-251-21	PANEL, FRONT (611S)	
11	3-386-243-11	WINDOW (M)	
12	3-386-246-01	BUTTON (FR)	
* 13	3-386-245-01	HOLDER (FL)	
14	4-922-518-01	KNOB (TIMER)	
15	3-354-932-01	BUTTON (POWER)	
16	1-751-140-11	WIRE (FLAT TYPE) (13 CORE)	
17	1-751-141-11	WIRE (FLAT TYPE) (23 CORE)	
18	1-575-782-11	WIRE, FLAT TYPE (9 CORE)	
* 19	A-2006-958-A	PANEL BOARD, COMPLETE (INCLUDED ●A, B)	
20	4-951-620-01	SCREW (2.6X8), +BVTP	
21	3-704-366-01	SCREW (CASE) (M3X8)	
22	3-332-578-61	CASE	
23	3-380-952-01	BUTTON	
24	3-386-248-01	BUTTON (RE)	
26	3-386-249-11	BUTTON (EJ)	
FL901	1-517-155-11	INDICATOR TUBE, FLUORESCENT	

5-2. CHASSIS SECTION



▲C : POWER (1) BOARD
▲D : POWER (2) BOARD

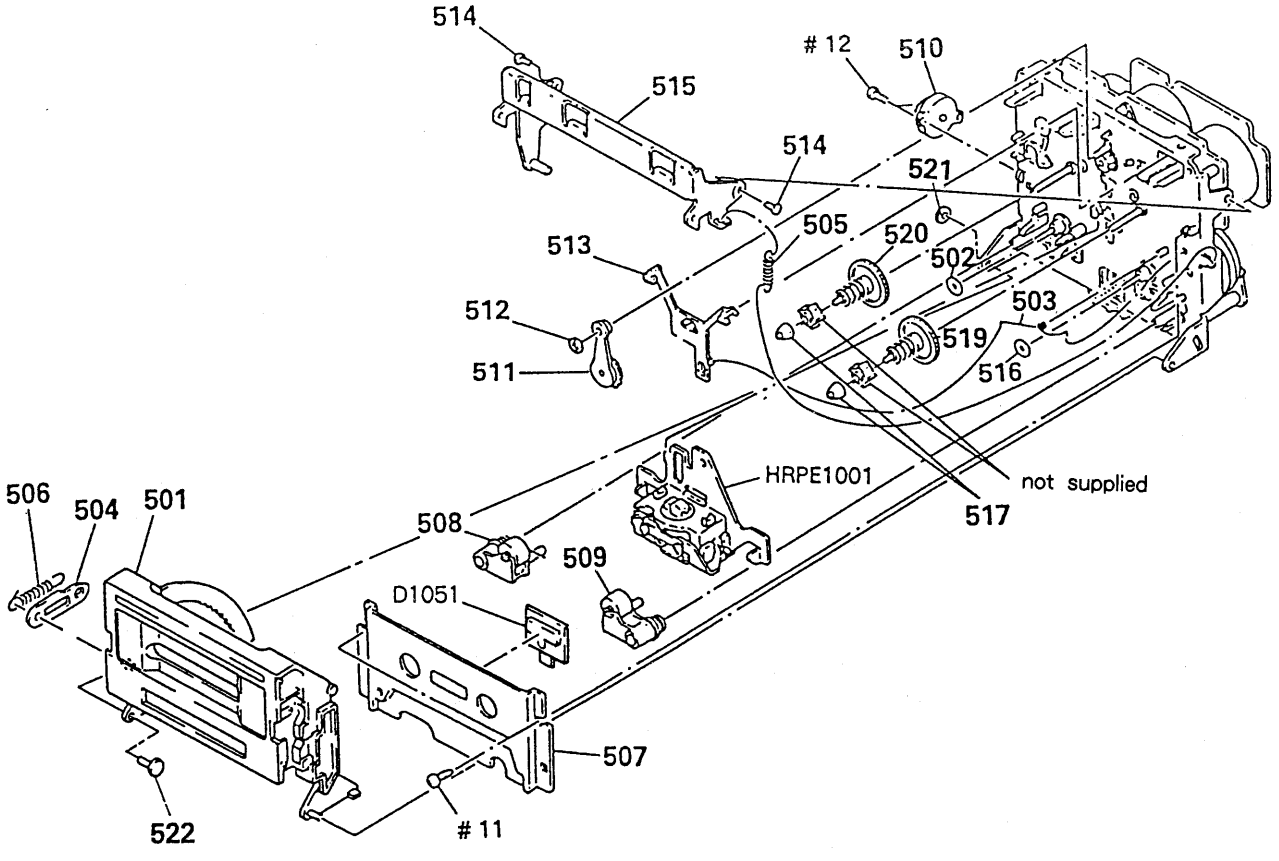
Ref. No.	Part No.	Description	Remarks
51	4-943-148-42	FOOT (F58175SW)	
52	X-3366-166-1	LID ASSY, CASSETTE (606ES)	
52	X-3366-236-1	LID ASSY, CASSETTE (611S)	
* 53	3-346-265-11	HOLDER, PC BOARD	
* 54	A-2006-955-A	MAIN BOARD, COMPLETE (INCLUDED ▲A-D)	(606ES)
* 54	A-2006-960-A	MAIN BOARD, COMPLETE (INCLUDED ▲A-D)	(611S)
* 55	3-356-925-01	HEAT SINK	
* 56	3-669-610-00	SPACER	
⚠57	1-558-945-21	CORD, POWER (POLAR. SPT-1) (606ES)	

Ref. No.	Part No.	Description	Remarks
⚠57	1-575-651-21	CORD, POWER	(611S)
* 58	3-703-244-00	BUSHING (2104), CORD	(611S)
* 58	3-703-571-11	BUSHING (S) (4516), CORD	(606ES)
* 59	4-949-235-01	HOOK	
* 60	3-386-252-11	PANEL, BACK (606ES)	
* 60	3-386-252-21	PANEL, BACK (611S)	
* 61	A-2006-954-A	MOUNTED PCB (A), DOLBY (S)	
* 62	3-332-563-01	STUD (P)	
⚠PT901	1-423-475-11	TRANSFORMER, POWER (606ES)	
⚠PT901	1-423-476-11	TRANSFORMER, POWER (611S)	

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

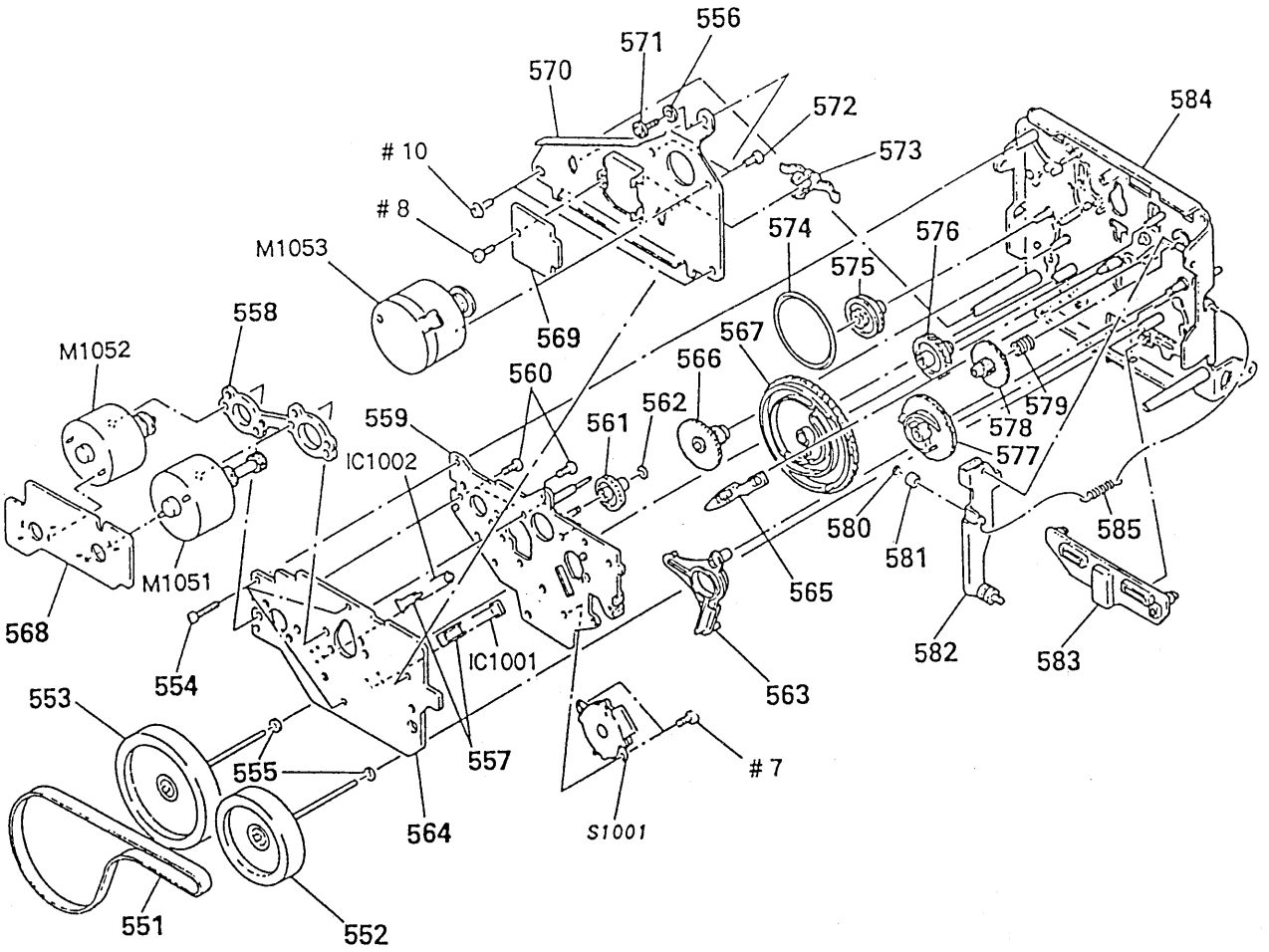
Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

5-3. MECHANISM DECK SECTION 1 (TCM-200R10)



Ref. No.	Part No.	Description	Remarks
501	X-3365-299-1	HOLDER (CD-C) ASSY, CASSETTE	
502	3-356-714-01	WASHER	
503	3-356-619-01	SPRING (B), TORSION	
* 504	3-356-717-01	LEVER (JOINT)	
505	3-356-625-01	SPRING, TENSION	
506	3-356-626-01	SPRING, TENSION	
507	X-3356-613-1	PLATE ASSY, ORNAMENTAL	
508	X-3343-456-1	LEVER (PINCH R) ASSY	
509	X-3343-455-1	LEVER (PINCH F) ASSY	
510	3-712-786-01	DAMPER, OIL	
511	X-3356-641-1	LEVER (FR2) ASSY	
512	3-669-465-11	WASHER (1.5), STOPPER	
513	3-356-614-01	SLIDER (BRAKE)	
514	3-356-601-11	SCREW, STEP	
* 515	X-3356-608-1	LEVER (LIFTER) ASSY	
516	3-356-713-01	WASHER	
517	3-362-308-01	CAP (REEL)	
519	X-3356-627-1	REEL GEAR (S) ASSY	
520	X-3356-628-1	REEL GEAR (T) ASSY	
521	3-558-708-21	WASHER, STOPPER	
522	3-378-341-01	SHAFT (L) (CASSETTE HOLDER)	
D1051	8-719-980-85	DIODE SLF325C	
HRPE1001	A-2003-722-A	DECK ASSY, HEAD	

5-4. MECHANISM DECK SECTION 2 (TCM-200R10)



Ref. No.	Part No.	Description	Remarks
551	3-356-730-01	BELT (CAPSTAN R2)	
552	X-3356-642-1	FLYWHEEL (R FWD) ASSY	
553	X-3356-643-1	FLYWHEEL (R REV) ASSY	
554	3-355-801-01	SCREW (BTP 2X18)	
555	3-356-705-01	WASHER (CAPSTAN)	
* 556	3-356-718-01	SPACER (THRUST RETAINER R)	
557	3-356-631-01	HOLDER (SENSOR)	
* 558	3-356-628-01	SPACER (MOTOR)	
* 559	X-3356-602-1	BRACKET (MOTOR R) ASSY	
560	3-363-804-01	SCREW (+P 2.6X6.5)	
561	3-356-702-01	GEAR (COMMUNICATION B)	
562	3-669-465-00	WASHER (1.5), STOPPER	
563	3-356-613-01	LEVER (MODE)	
* 564	1-632-740-11	MD BOARD	
565	3-356-617-01	LEVER (SELECTION)	
566	3-356-606-01	GEAR (MODE)	
567	3-356-615-01	GEAR (MODE CAM RR)	
* 568	1-632-741-11	REAL MOTOR BOARD	
* 569	1-634-323-11	TRANSLATION BOARD	
* 570	3-356-629-01	BRACKET (THRUST RETAINER R)	

Ref. No.	Part No.	Description	Remarks
571	3-356-707-01	SCREW (+PTPWH 2X25)	
572	4-885-599-00	SCREW, FITTING, REINFORCEMENT	
573	3-575-321-00	RETAINER, THRUST, CAPSTAN	
574	3-356-603-01	BELT (MODE)	
575	3-356-607-01	PULLEY (MODE)	
576	3-356-703-01	GEAR (COMMUNICATION C)	
577	3-356-616-01	GEAR (LOADING CAM)	
578	3-356-609-01	GEAR (LOADING)	
579	3-356-605-01	SPRING, COMPRESSION	
580	3-558-708-11	WASHER, STOPPER	
581	3-356-630-01	ROLLER (LOADING)	
* 582	X-3356-606-1	LEVER (LOADING) ASSY	
583	3-356-612-01	SLIDER (REVERSE)	
584	X-3356-634-1	CHASSIS (R2)COMPLETE ASSY,MECH	
585	3-356-624-01	SPRING, TENSION	
IC1001	8-749-920-97	IC GP2S22B	
IC1002	8-749-920-97	IC GP2S22B	
M1051	X-3356-638-1	MOTOR (REEL R) ASSY	
M1052	X-3356-604-1	MOTOR (ASSIST) ASSY	
M1053	X-3356-646-1	MOTOR (CAPSTAN V1) ASSY	
S1001	1-466-525-11	ENCODER, ROTARY	

SECTION 6
ELECTRICAL PARTS LIST

MD | MAIN | DOLBY

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spéci-fie.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- −XX, −X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL : metal-film resistor
  METAL OXIDE : Metal Oxide-film resistor
  F : nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ, for example :
  uA... : μA... , uPA... , μPA... , uPB... , μPB... , uPC... , μPC... , uPD..., μPD...
- CAPACITORS :
  uF : μF
- COILS
  uH : μH

Ref. No.	Part No.	Description	Remarks
*	1-632-740-11	MD BOARD	
		********	
	3-356-631-01	HOLDER (SENSOR)	
CN1001	1-506-615-11	PIN, CONNECTOR 9P	
* CN1002	1-564-502-11	PIN, CONNECTOR 10P	
		< IC >	
IC1001	8-749-920-97	DI ODE GP2S22B	
IC1002	8-749-920-97	DI ODE GP2S22B	
		< RESISTOR >	
R1001	1-249-408-11	CARBON 180 5% 1/4W F	
R1002	1-249-408-11	CARBON 180 5% 1/4W F	
		< SWITCH >	
S1002	1-570-953-11	SWITCH, PUSH (1 KEY) (DOOR)	
S1003	1-571-958-11	SWITCH, PUSH (1 KEY) (CLOSE)	
S1004	1-572-126-11	SWITCH, PUSH (1 KEY) (OPEN)	
S1005	1-572-125-11	SWITCH, LEAF (FWD TAB)	
S1006	1-572-202-11	SWITCH, LEAF (HALF)	
S1007	1-572-125-11	SWITCH, LEAF (METAL)	
S1008	1-572-125-11	SWITCH, LEAF (70u)	
S1009	1-572-125-11	SWITCH, LEAF (REV TAB)	
		< TERMINAL >	
* TB1001	1-694-018-11	TERMINAL (5P)	

****

Ref. No.	Part No.	Description	Remarks
*	A-2006-955-A	MAIN BOARD, COMPLETE (INCLUDED ▲A-D)	
		**********	(606ES)
*	A-2006-960-A	MAIN BOARD, COMPLETE (INCLUDED ▲A-D)	
		**********	(611S)
*	A-2006-954-A	MOUNTED PCB (A), DOLBY (S)	
		**********	
*	1-690-880-21	LEAD (WITH CONNECTOR)	
*	3-356-925-01	HEAT SINK	
	7-685-871-01	SCREW +BVTT 3X6 (S)	
		< CAPACITOR >	
C1	1-164-222-11	CERAMIC CHIP 0.22uF 25V	
C2	1-135-177-21	TANTALUM CHIP 1uF 20% 20V	
C3	1-104-558-91	FILM CHIP 0.039uF 5% 16V	
C4	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
C5	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C6	1-164-717-11	CERAMIC CHIP 0.0082uF 5% 50V	
C7	1-164-222-11	CERAMIC CHIP 0.22uF 25V	
C8	1-104-562-11	FILM CHIP 0.082uF 5% 16V	
C9	1-104-553-11	FILM CHIP 0.015uF 5% 16V	
C10	1-165-319-11	CERAMIC CHIP 0.1uF 50V	
C11	1-135-145-11	TANTALUM CHIP 0.47uF 10% 35V	
C12	1-164-222-11	CERAMIC CHIP 0.22uF 25V	
C13	1-165-319-11	CERAMIC CHIP 0.1uF 50V	
C14	1-162-568-11	CERAMIC CHIP 0.33uF 10% 16V	
C15	1-104-562-11	FILM CHIP 0.082uF 5% 16V	
C16	1-135-145-11	TANTALUM CHIP 0.47uF 10% 35V	
C17	1-165-319-11	CERAMIC CHIP 0.1uF 50V	
C18	1-164-222-11	CERAMIC CHIP 0.22uF 25V	
C19	1-163-035-00	CERAMIC CHIP 0.047uF 50V	
C20	1-104-553-11	FILM CHIP 0.015uF 5% 16V	
C21	1-164-717-11	CERAMIC CHIP 0.0082uF 5% 50V	
C22	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C23	1-164-161-11	CERAMIC CHIP 0.0022uF 10% 100V	
C24	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
C25	1-163-012-00	CERAMIC CHIP 0.0018uF 10% 50V	

MAIN | **DOLBY**

Ref. No.	Part No.	Description			Remarks
C26	1-104-558-91	FILM CHIP	0.039uF	5%	16V
C27	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C28	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C29	1-104-563-11	FILM CHIP	0.1uF	5%	16V
C30	1-135-145-11	TANTALUM CHIP	0.47uF	10%	35V
C31	1-104-555-11	FILM CHIP	0.022uF	5%	16V
C32	1-104-563-11	FILM CHIP	0.1uF	5%	16V
C33	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C34	1-104-563-11	FILM CHIP	0.1uF	5%	16V
C35	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C36	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C37	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C38	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C39	1-104-555-11	FILM CHIP	0.022uF	5%	16V
C40	1-104-563-11	FILM CHIP	0.1uF	5%	16V
C101	1-124-907-11	ELECT	10uF	20%	50V
C102	1-162-294-31	CERAMIC	0.001uF	10%	50V
C103	1-161-375-00	CERAMIC	0.0022uF	20%	50V
C104	1-130-475-00	MYLAR	0.0022uF	5%	50V
C105	1-130-475-00	MYLAR	0.0022uF	5%	50V
C106	1-136-174-00	FILM	0.56uF	5%	50V
C107	1-136-171-00	FILM	0.33uF	5%	50V
C108	1-124-907-11	ELECT	10uF	20%	50V
C109	1-124-927-11	ELECT	4.7uF	20%	100V
C110	1-124-902-00	ELECT	0.47uF	20%	50V
C111	1-124-907-11	ELECT	10uF	20%	50V
C112	1-124-907-11	ELECT	10uF	20%	50V
C113	1-162-285-31	CERAMIC	180PF	10%	50V
C114	1-136-935-11	FILM	22PF	5%	630V
C115	1-164-736-31	CERAMIC	0.0012uF	10%	50V
C116	1-124-907-11	ELECT	10uF	20%	50V
C117	1-130-487-00	MYLAR	0.022uF	5%	50V
C118	1-124-657-00	ELECT	10uF	20%	50V
C119	1-161-494-00	CERAMIC	0.022uF		25V
C120	1-130-488-00	MYLAR	0.027uF	5%	50V
C121	1-124-925-11	ELECT	2.2uF	20%	100V
C122	1-136-153-00	FILM	0.01uF	5%	50V
C123	1-136-157-00	FILM	0.022uF	5%	50V
C124	1-136-161-00	FILM	0.047uF	5%	50V
C125	1-136-272-00	FILM	68PF	5%	630V
C126	1-130-468-00	MYLAR	560PF	5%	50V
C127	1-136-433-11	FILM	100PF	5%	630V
C128	1-162-282-31	CERAMIC	100PF	10%	50V
C129	1-124-907-11	ELECT	10uF	20%	50V
C130	1-124-916-11	ELECT	22uF	20%	63V
C131	1-124-907-11	ELECT	10uF	20%	50V
C132	1-124-907-11	ELECT	10uF	20%	50V
C133	1-124-925-11	ELECT	2.2uF	20%	100V
C134	1-124-925-11	ELECT	2.2uF	20%	100V
C135	1-130-475-00	MYLAR	0.0022uF	5%	50V

Ref. No.	Part No.	Description			Remarks
C201	1-124-907-11	ELECT	10uF	20%	50V
C202	1-162-294-31	CERAMIC	0.001uF	10%	50V
C203	1-161-375-00	CERAMIC	0.0022uF	20%	50V
C204	1-130-475-00	MYLAR	0.0022uF	5%	50V
C205	1-130-475-00	MYLAR	0.0022uF	5%	50V
C206	1-136-174-00	FILM	0.56uF	5%	50V
C207	1-136-171-00	FILM	0.33uF	5%	50V
C208	1-124-907-11	ELECT	10uF	20%	50V
C209	1-124-927-11	ELECT	4.7uF	20%	100V
C210	1-124-902-00	ELECT	0.47uF	20%	50V
C211	1-124-907-11	ELECT	10uF	20%	50V
C212	1-124-907-11	ELECT	10uF	20%	50V
C213	1-162-285-31	CERAMIC	180PF	10%	50V
C214	1-136-935-11	FILM	22PF	5%	630V
C215	1-164-736-31	CERAMIC	0.0012uF	10%	50V
C216	1-124-907-11	ELECT	10uF	20%	50V
C217	1-130-487-00	MYLAR	0.022uF	5%	50V
C218	1-124-657-00	ELECT	10uF	20%	50V
C219	1-161-494-00	CERAMIC	0.022uF		25V
C220	1-130-488-00	MYLAR	0.027uF	5%	50V
C221	1-124-925-11	ELECT	2.2uF	20%	100V
C222	1-136-153-00	FILM	0.01uF	5%	50V
C223	1-136-157-00	FILM	0.022uF	5%	50V
C224	1-136-161-00	FILM	0.047uF	5%	50V
C225	1-136-272-00	FILM	68PF	5%	630V
C226	1-130-468-00	MYLAR	560PF	5%	50V
C227	1-136-433-11	FILM	100PF	5%	630V
C228	1-162-282-31	CERAMIC	100PF	10%	50V
C229	1-124-907-11	ELECT	10uF	20%	50V
C230	1-124-916-11	ELECT	22uF	20%	63V
C231	1-124-907-11	ELECT	10uF	20%	50V
C232	1-124-907-11	ELECT	10uF	20%	50V
C233	1-124-925-11	ELECT	2.2uF	20%	100V
C234	1-124-925-11	ELECT	2.2uF	20%	100V
C235	1-130-475-00	MYLAR	0.0022uF	5%	50V
C301	1-124-907-11	ELECT	10uF	20%	50V
C302	1-124-907-11	ELECT	10uF	20%	50V
C303	1-124-916-11	ELECT	22uF	20%	63V
C304	1-124-903-11	ELECT	1uF	20%	50V
C305	1-124-907-11	ELECT	10uF	20%	50V
C306	1-124-907-11	ELECT	10uF	20%	50V
C307	1-124-443-00	ELECT	100uF	20%	10V
C308	1-124-443-00	ELECT	100uF	20%	10V
C309	1-162-217-31	CERAMIC	56PF	5%	50V
C310	1-161-494-00	CERAMIC	0.022uF		25V
C312	1-162-217-31	CERAMIC	56PF	5%	50V
C313	1-124-925-11	ELECT	2.2uF	20%	100V
C317	1-124-927-11	ELECT	4.7uF	20%	100V
C318	1-124-925-11	ELECT	2.2uF	20%	100V
C319	1-124-902-00	ELECT	0.47uF	20%	50V

Ref. No.	Part No.	Description			Remarks
C320	1-124-477-11	ELECT	47uF	20%	25V
C321	1-124-477-11	ELECT	47uF	20%	25V
C322	1-136-230-00	FILM	0.0022uF	5%	100V
C323	1-136-230-00	FILM	0.0022uF	5%	100V
C324	1-130-856-00	FILM	0.0068uF	5%	100V
C325	1-124-907-11	ELECT	10uF	20%	50V
C326	1-136-558-11	FILM	0.0039uF	5%	630V
C327	1-107-046-00	MICA	4.7PF		500V
C328	1-124-927-11	ELECT	4.7uF	20%	100V
C329	1-124-927-11	ELECT	4.7uF	20%	100V
C330	1-124-902-00	ELECT	0.47uF	20%	50V
C331	1-124-477-11	ELECT	47uF	20%	25V
C332	1-124-477-11	ELECT	47uF	20%	25V
C333	1-124-903-11	ELECT	1uF	20%	50V
C334	1-136-161-00	FILM	0.047uF	5%	50V
C335	1-161-494-00	CERAMIC	0.022uF		25V
C370	1-130-477-00	MYLAR	0.0033uF	5%	50V
C371	1-136-164-00	FILM	0.082uF	5%	50V
C372	1-124-902-00	ELECT	0.47uF	20%	50V
C401	1-124-903-11	ELECT	1uF	20%	50V
C402	1-162-292-31	CERAMIC	680PF	10%	50V
C403	1-124-903-11	ELECT	1uF	20%	50V
C404	1-162-282-31	CERAMIC	100PF	10%	50V
C405	1-162-306-11	CERAMIC	0.01uF	20%	16V (611S)
C505	1-162-306-11	CERAMIC	0.01uF	20%	16V (611S)
C501	1-124-903-11	ELECT	1uF	20%	50V
C502	1-162-292-31	CERAMIC	680PF	10%	50V
C503	1-124-903-11	ELECT	1uF	20%	50V
C504	1-162-282-31	CERAMIC	100PF	10%	50V
C601	1-124-927-11	ELECT	4.7uF	20%	100V
C602	1-124-927-11	ELECT	4.7uF	20%	100V
C603	1-161-494-00	CERAMIC	0.022uF		25V
C604	1-124-443-00	ELECT	100uF	20%	10V
C605	1-124-443-00	ELECT	100uF	20%	10V
C701	1-124-556-11	ELECT	2200uF	20%	16V
C702	1-124-556-11	ELECT	2200uF	20%	16V
C703	1-126-176-11	ELECT	220uF	20%	10V
C704	1-124-999-11	ELECT	2200uF	20%	10V
C705	1-124-999-11	ELECT	2200uF	20%	10V
C706	1-124-473-11	ELECT	1000uF	20%	10V
C707	1-124-907-11	ELECT	10uF	20%	50V
C708	1-124-564-11	ELECT	4700uF	20%	25V
C709	1-124-907-11	ELECT	10uF	20%	50V
C710	1-124-360-00	ELECT	1000uF	20%	16V
C711	1-126-936-11	ELECT	3300uF	20%	16V
C712	1-124-907-11	ELECT	10uF	20%	50V
C713	1-124-473-11	ELECT	1000uF	20%	10V
C714	1-124-122-11	ELECT	100uF	20%	50V
C715	1-126-947-11	ELECT	47uF	20%	35V
C716	1-164-159-11	CERAMIC	0.1uF		50V

Ref. No.	Part No.	Description			Remarks
C801	1-164-159-11	CERAMIC	0.1uF		50V
C802	1-164-159-11	CERAMIC	0.1uF		50V
C803	1-162-294-31	CERAMIC	0.001uF	10%	50V
C804	1-162-294-31	CERAMIC	0.001uF	10%	50V
C805	1-161-377-00	CERAMIC	0.0047uF	30%	16V
C806	1-124-477-11	ELECT	47uF	20%	25V
C807	1-124-927-11	ELECT	4.7uF	20%	100V
C808	1-124-903-11	ELECT	1uF	20%	50V
C811	1-124-443-00	ELECT	100uF	20%	10V
C814	1-164-159-11	CERAMIC	0.1uF		50V (606ES)
C814	1-161-494-00	CERAMIC	0.022uF		25V (611S)
C815	1-164-159-11	CERAMIC	0.1uF		50V
C816	1-161-494-00	CERAMIC	0.022uF		25V
C818	1-124-902-00	ELECT	0.47uF	20%	50V
C819	1-164-159-11	CERAMIC	0.1uF		50V (606ES)
C821	1-162-293-31	CERAMIC	820PF	10%	50V (611S)
C822	1-162-294-31	CERAMIC	0.001uF	10%	50V (611S)
C823	1-162-306-11	CERAMIC	0.01uF	20%	16V (611S)

< CONNECTOR >

* CN1	1-537-473-11	TERMINAL (LEAD PIN)
* CN304	1-568-832-11	SOCKET, CONNECTOR 13P
* CN306	1-568-839-11	SOCKET, CONNECTOR 23P
* CN307	1-568-828-11	SOCKET, CONNECTOR 9P
* CN308	1-568-832-11	SOCKET, CONNECTOR 13P
CN804	1-558-350-31	CORD (WITH CONNECTOR) (606ES)
* CN808	1-580-230-31	PIN, CONNECTOR (PC BOARD) 2P
* CND301	1-564-339-61	PIN, CONNECTOR 5P
* CND303	1-564-339-51	PIN, CONNECTOR 5P
* CND807	1-564-338-51	PIN, CONNECTOR 4P (606ES)
* CNE305	1-564-506-11	PLUG, CONNECTOR 3P
* CNE310	1-564-509-11	PLUG, CONNECTOR 6P
* CNE311	1-564-505-11	PLUG, CONNECTOR 2P
* CNE801	1-564-513-11	PLUG, CONNECTOR 10P
* CNE803	1-564-506-11	PLUG, CONNECTOR 3P
* CNE805	1-564-505-41	PLUG, CONNECTOR 2P
* CNE806	1-564-505-41	PLUG, CONNECTOR 2P
* CNE809	1-564-506-11	PLUG, CONNECTOR 3P
* CNP302	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P
* CNP601	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P

< CONPOSITION CIRCUIT BLOCK >

CP801	1-233-204-11	COMPOSITION CIRCUIT BLOCK

< DIODE >

D101	8-719-912-20	DIODE 1SS120
D102	8-719-912-20	DIODE 1SS120
D201	8-719-912-20	DIODE 1SS120
D202	8-719-912-20	DIODE 1SS120
D301	8-719-912-20	DIODE 1SS120

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Ref. No.	Part No.	Description	Remarks
D302	8-719-912-20	DIODE 1SS120	
D303	8-719-912-20	DIODE 1SS120	
D304	8-719-912-20	DIODE 1SS120	
D305	8-719-912-20	DIODE 1SS120	
D306	8-719-912-20	DIODE 1SS120	
D307	8-719-912-20	DIODE 1SS120	
D308	8-719-912-20	DIODE 1SS120	
D309	8-719-912-20	DIODE 1SS120	
D310	8-719-933-49	DIODE HZS7C1L	
D311	8-719-200-82	DIODE 11ES2	
D312	8-719-200-82	DIODE 11ES2	
D313	8-719-200-82	DIODE 11ES2	
D314	8-719-200-82	DIODE 11ES2	
D315	8-719-912-20	DIODE 1SS120	
D316	8-719-912-20	DIODE 1SS120	
D317	8-719-912-20	DIODE 1SS120	
D370	8-719-912-20	DIODE 1SS120	
D371	8-719-912-20	DIODE 1SS120	
D701	8-719-200-02	DIODE 10E2	
D702	8-719-200-02	DIODE 10E2	
D703	8-719-200-02	DIODE 10E2	
D704	8-719-200-02	DIODE 10E2	
D705	8-719-933-33	DIODE HZS6A1L	
D706	8-719-933-33	DIODE HZS6A1L	
D707	8-719-912-20	DIODE 1SS120	
D712	8-719-912-20	DIODE 1SS120	
D713	8-719-200-31	DIODE 21DQ05	
D714	8-719-933-44	DIODE HZS7A2L	
D715	8-719-912-20	DIODE 1SS120	
D716	8-719-912-20	DIODE 1SS120	
D717	8-719-001-70	DIODE UZL-12M1	
D718	8-719-200-02	DIODE 10E2	
D719	8-719-200-02	DIODE 10E2	
D720	8-719-933-49	DIODE HZS7C1L	
D721	8-719-912-20	DIODE 1SS120	
D722	8-719-912-20	DIODE 1SS120	
D723	8-719-933-33	DIODE HZS6A1L	
D724	8-719-312-09	DIODE RBA-402	
D801	8-719-912-20	DIODE 1SS120	
D802	8-719-912-20	DIODE 1SS120	
D803	8-719-912-20	DIODE 1SS120	
D804	8-719-912-20	DIODE 1SS120	
D805	8-719-912-20	DIODE 1SS120	
D806	8-719-912-20	DIODE 1SS120	
D807	8-719-912-20	DIODE 1SS120	
D808	8-719-933-33	DIODE HZS6A1L	
D809	8-719-933-33	DIODE HZS6A1L	
D810	8-719-912-20	DIODE 1SS120	
D811	8-719-912-20	DIODE 1SS120 (606ES)	

Ref. No.	Part No.	Description	Remarks
D816	8-719-912-20	DIODE 1SS120	
D817	8-719-912-20	DIODE 1SS120	
D818	8-719-912-20	DIODE 1SS120	
D819	8-719-912-20	DIODE 1SS120	
		< IC >	
IC1	8-752-056-51	IC CXA1417Q-T6	
IC2	8-759-711-85	IC NJM4580E-D	
IC101	8-759-140-53	IC MC14053BCP	
IC201	8-759-140-53	IC MC14053BCP	
IC301	8-759-111-44	IC uPC4570C-1	
IC302	8-752-059-54	IC CXA1332S	
IC303	8-752-060-64	IC CXA1198AP	
IC304	8-759-106-56	IC uPC1297CA	
IC305	8-759-145-58	IC uPC4558C	
IC306	8-759-145-58	IC uPC4558C	
IC307	8-759-634-50	IC M5218AL	
IC308	8-759-000-49	IC uPD4066BC	
IC309	8-759-000-49	IC uPD4066BC	
IC310	8-759-916-14	IC SN74HC04N	
IC311	8-759-634-50	IC M5218AL	
IC601	8-759-634-50	IC M5218AL	
IC602	8-759-634-50	IC M5218AL	
IC701	8-759-145-58	IC uPC4558C	
IC801	8-752-841-97	IC CXP82316-011Q	
IC802	8-759-240-69	IC TC4069UBP	
IC803	8-759-973-95	IC BA6219B	
IC804	8-759-822-09	IC LB1641	
IC806	8-759-635-31	IC M50253P	
IC807	8-759-140-11	IC uPD4011BC (606ES)	
IC808	8-759-520-90	IC PST572E	
		< JACK >	
J301	1-573-070-11	JACK, PIN 4P(LINE IN/OUT)	
J401	1-507-854-21	JACK, LARGE TYPE(MICROPHONE L)	
J501	1-507-854-21	JACK, LARGE TYPE(MICROPHONE R)	
J601	1-507-796-71	JACK(HEADPHONES)	
		< COIL >	
L101	1-410-780-11	INDUCTOR 27mH	
L201	1-410-780-11	INDUCTOR 27mH	
		< FILTER >	
LPF101	1-236-475-11	FILTER, LOW PASS	
LPF201	1-236-475-11	FILTER, LOW PASS	
		< TRANSISTOR >	
Q101	8-729-900-80	TRANSISTOR DTC114ES	
Q102	8-729-900-80	TRANSISTOR DTC114ES	
Q103	8-729-142-25	TRANSISTOR 2SD1020-HFE	

Ref. No.	Part No.	Description	Remarks
Q104	8-729-142-25	TRANSISTOR 2SD1020-HFE	
Q105	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q106	8-729-900-80	TRANSISTOR DTC114ES	
Q201	8-729-900-80	TRANSISTOR DTC114ES	
Q202	8-729-900-80	TRANSISTOR DTC114ES	
Q203	8-729-142-25	TRANSISTOR 2SD1020-HFE	
Q204	8-729-142-25	TRANSISTOR 2SD1020-HFE	
Q205	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q206	8-729-900-80	TRANSISTOR DTC114ES	
Q301	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q302	8-729-900-80	TRANSISTOR DTC114ES	
Q303	8-729-900-80	TRANSISTOR DTC114ES	
Q304	8-729-900-80	TRANSISTOR DTC114ES	
Q305	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q306	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q309	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q310	8-729-194-57	TRANSISTOR 2SC945-P	
Q311	8-729-194-57	TRANSISTOR 2SC945-P	
Q312	8-729-900-61	TRANSISTOR DTA114ES	
Q313	8-729-900-61	TRANSISTOR DTA114ES	
Q314	8-729-900-61	TRANSISTOR DTA114ES	
Q315	8-729-900-61	TRANSISTOR DTA114ES	
Q370	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q371	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q372	8-729-900-80	TRANSISTOR DTC114ES	
Q373	8-729-900-89	TRANSISTOR DTC144ES	
Q701	8-729-900-80	TRANSISTOR DTC114ES	
Q702	8-729-900-80	TRANSISTOR DTC114ES	
Q703	8-729-141-83	TRANSISTOR 2SA473	
Q704	8-729-209-15	TRANSISTOR 2SD2012	
Q705	8-729-209-15	TRANSISTOR 2SD2012	
Q706	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q707	8-729-900-80	TRANSISTOR DTC114ES	
Q708	8-729-141-83	TRANSISTOR 2SA473	
Q709	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q710	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q711	8-729-140-04	TRANSISTOR 2SB1116A-L	
Q801	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q802	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q803	8-729-900-61	TRANSISTOR DTA114ES	
Q804	8-729-900-61	TRANSISTOR DTA114ES	
Q805	8-729-900-61	TRANSISTOR DTA114ES	
Q806	8-729-900-61	TRANSISTOR DTA114ES	
Q807	8-729-900-65	TRANSISTOR DTA144ES	
Q808	8-729-900-80	TRANSISTOR DTC114ES	
Q809	8-729-900-61	TRANSISTOR DTA114ES (611S)	
Q813	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q814	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q817	8-729-900-61	TRANSISTOR DTA114ES	
Q818	8-729-900-61	TRANSISTOR DTA114ES	
Q819	8-729-900-61	TRANSISTOR DTA114ES	
Q820	8-729-900-61	TRANSISTOR DTA114ES	
Q821	8-729-900-80	TRANSISTOR DTC114ES	
Q822	8-729-900-80	TRANSISTOR DTC114ES	
Q823	8-729-900-61	TRANSISTOR DTA114ES	
Q824	8-729-900-61	TRANSISTOR DTA114ES	
Q825	8-729-900-61	TRANSISTOR DTA114ES	
Q826	8-729-900-61	TRANSISTOR DTA114ES	
Q827	8-729-900-61	TRANSISTOR DTA114ES	

< RESISTOR >

R1	1-216-013-00	METAL CHIP	33	5%	1/10W
R2	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R3	1-216-681-11	METAL CHIP	18K	0.5%	1/10W
R4	1-218-774-11	METAL CHIP	820K	0.50%	1/10W
R5	1-216-668-11	METAL CHIP	5.1K	0.5%	1/10W
R6	1-216-656-11	METAL CHIP	1.6K	0.5%	1/10W
R7	1-216-657-11	METAL CHIP	1.8K	0.5%	1/10W
R8	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R9	1-216-058-00	METAL GLAZE	2.4K	5%	1/10W
R10	1-216-654-11	METAL CHIP	1.3K	0.5%	1/10W
R11	1-216-013-00	METAL CHIP	33	5%	1/10W
R12	1-216-017-00	METAL CHIP	47	5%	1/10W
R13	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R14	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R15	1-216-058-00	METAL GLAZE	2.4K	5%	1/10W
R16	1-216-013-00	METAL CHIP	33	5%	1/10W
R17	1-216-017-00	METAL CHIP	47	5%	1/10W
R18	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R19	1-216-656-11	METAL CHIP	1.6K	0.5%	1/10W
R20	1-216-668-11	METAL CHIP	5.1K	0.5%	1/10W
R21	1-218-774-11	METAL CHIP	820K	0.50%	1/10W
R22	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R23	1-216-678-11	METAL CHIP	13K	0.5%	1/10W
R24	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R25	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R26	1-216-676-11	METAL CHIP	11K	0.5%	1/10W
R27	1-216-668-11	METAL CHIP	5.1K	0.5%	1/10W
R28	1-216-697-11	METAL CHIP	82K	0.5%	1/10W
R29	1-216-668-11	METAL CHIP	5.1K	0.5%	1/10W
R30	1-216-660-11	METAL CHIP	2.4K	0.5%	1/10W
R31	1-216-680-11	METAL CHIP	16K	0.5%	1/10W
R32	1-216-685-11	METAL CHIP	27K	0.5%	1/10W
R33	1-216-080-00	METAL CHIP	20K	5%	1/10W
R34	1-216-684-11	METAL CHIP	24K	0.5%	1/10W
R35	1-216-084-00	METAL CHIP	30K	5%	1/10W
R36	1-216-084-00	METAL CHIP	30K	5%	1/10W
R37	1-216-074-00	METAL CHIP	11K	5%	1/10W

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Ref. No.	Part No.	Description			Remarks
R38	1-216-086-00	METAL GLAZE	36K	5%	1/10W
R39	1-216-066-00	METAL CHIP	5.1K	5%	1/10W
R40	1-216-084-00	METAL CHIP	30K	5%	1/10W
R41	1-216-078-00	METAL GLAZE	16K	5%	1/10W
R42	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R43	1-216-081-00	METAL CHIP	22K	5%	1/10W
R44	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R45	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R53	1-216-058-00	METAL GLAZE	2.4K	5%	1/10W
R54	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R55	1-216-666-11	METAL CHIP	4.3K	0.5%	1/10W
R101	1-259-460-11	CARBON	22K	5%	1/6W
R102	1-247-887-00	CARBON	220K	5%	1/4W
R103	1-249-423-11	CARBON	3.3K	5%	1/4W F
R104	1-249-428-11	CARBON	8.2K	5%	1/4W F
R105	1-247-864-11	CARBON	24K	5%	1/4W
R106	1-249-414-11	CARBON	560	5%	1/4W F
R107	1-259-436-11	CARBON	2.2K	5%	1/6W
R108	1-259-467-11	CARBON	43K	5%	1/6W
R109	1-249-421-11	CARBON	2.2K	5%	1/4W F
R110	1-259-428-11	CARBON	1K	5%	1/6W
R111	1-249-429-11	CARBON	10K	5%	1/4W
R112	1-249-424-11	CARBON	3.9K	5%	1/4W F
R113	1-249-421-11	CARBON	2.2K	5%	1/4W F
R114	1-249-429-11	CARBON	10K	5%	1/4W
R115	1-249-421-11	CARBON	2.2K	5%	1/4W F
R116	1-249-428-11	CARBON	8.2K	5%	1/4W F
R117	1-259-464-11	CARBON	33K	5%	1/6W
R118	1-259-400-11	CARBON	68	5%	1/6W
R119	1-259-479-11	CARBON	130K	5%	1/6W
R120	1-259-446-11	CARBON	5.6K	5%	1/6W
R121	1-249-421-11	CARBON	2.2K	5%	1/4W F
R122	1-249-421-11	CARBON	2.2K	5%	1/4W F
R123	1-247-840-00	CARBON	2.4K	5%	1/4W
R124	1-247-887-00	CARBON	220K	5%	1/4W
R125	1-249-421-11	CARBON	2.2K	5%	1/4W F
R126	1-247-858-11	CARBON	13K	5%	1/4W
R127	1-249-435-11	CARBON	33K	5%	1/4W
⚠R128	1-219-153-11	FUSIBLE	10	5%	1/4W F
R129	1-247-883-00	CARBON	150K	5%	1/4W
R130	1-249-427-11	CARBON	6.8K	5%	1/4W F
R131	1-249-434-11	CARBON	27K	5%	1/4W
R132	1-247-874-11	CARBON	62K	5%	1/4W
R133	1-249-410-11	CARBON	270	5%	1/4W F
R134	1-249-405-11	CARBON	100	5%	1/4W F
R135	1-215-459-00	METAL	39K	1%	1/6W
R136	1-215-448-00	METAL	13K	1%	1/6W
R137	1-215-459-00	METAL	39K	1%	1/6W

Ref. No.	Part No.	Description			Remarks
R138	1-215-448-00	METAL	13K	1%	1/6W
R139	1-247-887-00	CARBON	220K	5%	1/4W
R140	1-247-887-00	CARBON	220K	5%	1/4W
R141	1-247-887-00	CARBON	220K	5%	1/4W
R142	1-249-437-11	CARBON	47K	5%	1/4W
R143	1-249-437-11	CARBON	47K	5%	1/4W
R144	1-249-437-11	CARBON	47K	5%	1/4W
R145	1-249-437-11	CARBON	47K	5%	1/4W
R146	1-247-848-11	CARBON	5.1K	5%	1/4W
R147	1-249-437-11	CARBON	47K	5%	1/4W
R148	1-249-434-11	CARBON	27K	5%	1/4W
R149	1-249-429-11	CARBON	10K	5%	1/4W
R201	1-259-460-11	CARBON	22K	5%	1/6W
R202	1-247-887-00	CARBON	220K	5%	1/4W
R203	1-249-423-11	CARBON	3.3K	5%	1/4W F
R204	1-249-428-11	CARBON	8.2K	5%	1/4W F
R205	1-247-864-11	CARBON	24K	5%	1/4W
R206	1-249-414-11	CARBON	560	5%	1/4W F
R207	1-259-436-11	CARBON	2.2K	5%	1/6W
R208	1-259-467-11	CARBON	43K	5%	1/6W
R209	1-249-421-11	CARBON	2.2K	5%	1/4W F
R210	1-259-428-11	CARBON	1K	5%	1/6W
R211	1-249-429-11	CARBON	10K	5%	1/4W
R212	1-249-424-11	CARBON	3.9K	5%	1/4W F
R213	1-249-421-11	CARBON	2.2K	5%	1/4W F
R214	1-249-429-11	CARBON	10K	5%	1/4W
R215	1-249-421-11	CARBON	2.2K	5%	1/4W F
R216	1-249-428-11	CARBON	8.2K	5%	1/4W F
R217	1-259-464-11	CARBON	33K	5%	1/6W
R218	1-259-400-11	CARBON	68	5%	1/6W
R219	1-259-479-11	CARBON	130K	5%	1/6W
R220	1-259-446-11	CARBON	5.6K	5%	1/6W
R221	1-249-421-11	CARBON	2.2K	5%	1/4W F
R222	1-249-421-11	CARBON	2.2K	5%	1/4W F
R223	1-247-840-00	CARBON	2.4K	5%	1/4W
R224	1-247-887-00	CARBON	220K	5%	1/4W
R225	1-249-421-11	CARBON	2.2K	5%	1/4W F
R226	1-247-858-11	CARBON	13K	5%	1/4W
R227	1-249-435-11	CARBON	33K	5%	1/4W
⚠R228	1-219-153-11	FUSIBLE	10	5%	1/4W F
R229	1-247-883-00	CARBON	150K	5%	1/4W
R230	1-249-427-11	CARBON	6.8K	5%	1/4W F
R231	1-249-434-11	CARBON	27K	5%	1/4W
R232	1-247-874-11	CARBON	62K	5%	1/4W
R233	1-249-410-11	CARBON	270	5%	1/4W F
R234	1-249-405-11	CARBON	100	5%	1/4W F
R235	1-215-459-00	METAL	39K	1%	1/6W
R236	1-215-448-00	METAL	13K	1%	1/6W
R237	1-215-459-00	METAL	39K	1%	1/6W
R238	1-215-448-00	METAL	13K	1%	1/6W

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

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Ref. No.	Part No.	Description				Remarks
R239	1-247-887-00	CARBON	220K	5%	1/4W	
R240	1-247-887-00	CARBON	220K	5%	1/4W	
R241	1-247-887-00	CARBON	220K	5%	1/4W	
R242	1-249-437-11	CARBON	47K	5%	1/4W	
R243	1-249-437-11	CARBON	47K	5%	1/4W	
R244	1-249-437-11	CARBON	47K	5%	1/4W	
R245	1-249-437-11	CARBON	47K	5%	1/4W	
R246	1-247-848-11	CARBON	5.1K	5%	1/4W	
R247	1-249-437-11	CARBON	47K	5%	1/4W	
R248	1-249-434-11	CARBON	27K	5%	1/4W	
R249	1-249-429-11	CARBON	10K	5%	1/4W	
R301	1-249-417-11	CARBON	1K	5%	1/4W	F
R302	1-249-437-11	CARBON	47K	5%	1/4W	
R303	1-249-403-11	CARBON	68	5%	1/4W	F
R304	1-249-429-11	CARBON	10K	5%	1/4W	
R305	1-215-455-00	METAL	27K	1%	1/6W	
R306	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R307	1-249-417-11	CARBON	1K	5%	1/4W	F
R308	1-249-441-11	CARBON	100K	5%	1/4W	
R309	1-215-454-00	METAL	24K	1%	1/6W	
R312	1-249-438-11	CARBON	56K	5%	1/4W	
R313	1-249-436-11	CARBON	39K	5%	1/4W	
R314	1-247-885-00	CARBON	180K	5%	1/4W	
R315	1-247-882-11	CARBON	130K	5%	1/4W	
R316	1-249-436-11	CARBON	39K	5%	1/4W	
R317	1-247-870-11	CARBON	43K	5%	1/4W	
R318	1-247-893-11	CARBON	390K	5%	1/4W	
R319	1-247-866-11	CARBON	30K	5%	1/4W	
R320	1-247-888-11	CARBON	240K	5%	1/4W	
R321	1-247-890-11	CARBON	300K	5%	1/4W	
R322	1-247-872-11	CARBON	51K	5%	1/4W	
R323	1-249-438-11	CARBON	56K	5%	1/4W	
R324	1-247-885-00	CARBON	180K	5%	1/4W	
R325	1-247-870-11	CARBON	43K	5%	1/4W	
R326	1-247-880-11	CARBON	110K	5%	1/4W	
R327	1-247-876-11	CARBON	75K	5%	1/4W	
R328	1-249-438-11	CARBON	56K	5%	1/4W	
R329	1-249-438-11	CARBON	56K	5%	1/4W	
R330	1-249-409-11	CARBON	220	5%	1/4W	F
R331	1-249-409-11	CARBON	220	5%	1/4W	F
R332	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R333	1-249-429-11	CARBON	10K	5%	1/4W	
R335	1-249-431-11	CARBON	15K	5%	1/4W	
R336	1-247-848-11	CARBON	5.1K	5%	1/4W	
R337	1-247-870-11	CARBON	43K	5%	1/4W	
R338	1-249-441-11	CARBON	100K	5%	1/4W	
R339	1-249-437-11	CARBON	47K	5%	1/4W	
R340	1-249-437-11	CARBON	47K	5%	1/4W	
R341	1-249-389-11	CARBON	4.7	5%	1/4W	F
R342	1-249-389-11	CARBON	4.7	5%	1/4W	F

Ref. No.	Part No.	Description				Remarks
R343	1-249-420-11	CARBON	1.8K	5%	1/4W	F
R345	1-249-441-11	CARBON	100K	5%	1/4W	
R346	1-249-441-11	CARBON	100K	5%	1/4W	
R347	1-249-429-11	CARBON	10K	5%	1/4W	
R348	1-249-428-11	CARBON	8.2K	5%	1/4W	F
R349	1-249-441-11	CARBON	100K	5%	1/4W	
R350	1-249-441-11	CARBON	100K	5%	1/4W	
R351	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R352	1-249-429-11	CARBON	10K	5%	1/4W	
R353	1-249-429-11	CARBON	10K	5%	1/4W	
R354	1-249-417-11	CARBON	1K	5%	1/4W	F
R357	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R358	1-249-429-11	CARBON	10K	5%	1/4W	
R360	1-247-881-00	CARBON	120K	5%	1/4W	
R361	1-249-437-11	CARBON	47K	5%	1/4W	
R362	1-249-437-11	CARBON	47K	5%	1/4W	
R363	1-249-437-11	CARBON	47K	5%	1/4W	
R364	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R365	1-249-431-11	CARBON	15K	5%	1/4W	
R366	1-249-429-11	CARBON	10K	5%	1/4W	
R367	1-249-437-11	CARBON	47K	5%	1/4W	
R368	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R369	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R370	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R371	1-249-433-11	CARBON	22K	5%	1/4W	
R372	1-249-436-11	CARBON	39K	5%	1/4W	
R373	1-249-441-11	CARBON	100K	5%	1/4W	
R374	1-249-441-11	CARBON	100K	5%	1/4W	
R375	1-247-840-00	CARBON	2.4K	5%	1/4W	
R376	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R377	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R378	1-249-429-11	CARBON	10K	5%	1/4W	
R380	1-247-874-11	CARBON	62K	5%	1/4W	
R381	1-247-866-11	CARBON	30K	5%	1/4W	
R382	1-249-431-11	CARBON	15K	5%	1/4W	
R383	1-247-852-11	CARBON	7.5K	5%	1/4W	
R384	1-249-434-11	CARBON	27K	5%	1/4W	
R385	1-249-434-11	CARBON	27K	5%	1/4W	
R386	1-249-434-11	CARBON	27K	5%	1/4W	
R387	1-249-434-11	CARBON	27K	5%	1/4W	
R388	1-249-429-11	CARBON	10K	5%	1/4W	
R389	1-249-429-11	CARBON	10K	5%	1/4W	
R390	1-249-429-11	CARBON	10K	5%	1/4W	
R391	1-249-429-11	CARBON	10K	5%	1/4W	
R392	1-249-433-11	CARBON	22K	5%	1/4W	
R393	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R394	1-249-435-11	CARBON	33K	5%	1/4W	
R401	1-249-433-11	CARBON	22K	5%	1/4W	
R402	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R403	1-249-433-11	CARBON	22K	5%	1/4W	

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Ref. No.	Part No.	Description				Remarks
R404	1-249-409-11	CARBON	220	5%	1/4W	F
R405	1-249-441-11	CARBON	100K	5%	1/4W	
R406	1-249-429-11	CARBON	10K	5%	1/4W	
R407	1-249-411-11	CARBON	330	5%	1/4W	
R408	1-249-437-11	CARBON	47K	5%	1/4W	
R409	1-249-441-11	CARBON	100K	5%	1/4W	
R501	1-249-433-11	CARBON	22K	5%	1/4W	
R502	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R503	1-249-433-11	CARBON	22K	5%	1/4W	
R504	1-249-409-11	CARBON	220	5%	1/4W	F
R505	1-249-441-11	CARBON	100K	5%	1/4W	
R506	1-249-429-11	CARBON	10K	5%	1/4W	
R507	1-249-411-11	CARBON	330	5%	1/4W	
R508	1-249-437-11	CARBON	47K	5%	1/4W	
R509	1-249-441-11	CARBON	100K	5%	1/4W	
R601	1-249-409-11	CARBON	220	5%	1/4W	F
R602	1-249-409-11	CARBON	220	5%	1/4W	F
R701	1-249-433-11	CARBON	22K	5%	1/4W	
R702	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R703	1-249-420-11	CARBON	1.8K	5%	1/4W	F
R704	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R705	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R706	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R707	1-259-452-11	CARBON	10K	5%	1/6W	
R708	1-259-432-11	CARBON	1.5K	5%	1/6W	
R709	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R710	1-249-409-11	CARBON	220	5%	1/4W	F
R711	1-259-428-11	CARBON	1K	5%	1/6W	
R712	1-259-448-11	CARBON	6.8K	5%	1/6W	
R713	1-259-448-11	CARBON	6.8K	5%	1/6W	
R714	1-249-417-11	CARBON	1K	5%	1/4W	F
R715	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R716	1-249-433-11	CARBON	22K	5%	1/4W	
R717	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R718	1-249-433-11	CARBON	22K	5%	1/4W	
R719	1-249-436-11	CARBON	39K	5%	1/4W	
R720	1-249-429-11	CARBON	10K	5%	1/4W	
R721	1-249-437-11	CARBON	47K	5%	1/4W	
R722	1-247-742-11	CARBON	180	5%	1/2W	
⚠R723	1-219-135-11	FUSIBLE	0.15	10%	1/4W	
⚠R724	1-219-137-11	FUSIBLE	0.33	10%	1/4W	
⚠R801	1-212-954-11	FUSIBLE	6.8	5%	1/2W	F
⚠R802	1-212-952-00	FUSIBLE	5.6	5%	1/2W	F
R803	1-249-426-11	CARBON	5.6K	5%	1/4W	
R804	1-249-426-11	CARBON	5.6K	5%	1/4W	
R805	1-249-417-11	CARBON	1K	5%	1/4W	F
R806	1-247-838-00	CARBON	2K	5%	1/4W	
R807	1-249-426-11	CARBON	5.6K	5%	1/4W	
R808	1-249-428-11	CARBON	8.2K	5%	1/4W	F
R809	1-249-426-11	CARBON	5.6K	5%	1/4W	

Ref. No.	Part No.	Description				Remarks
R810	1-247-887-00	CARBON	220K	5%	1/4W	
R811	1-247-887-00	CARBON	220K	5%	1/4W	
R812	1-249-436-11	CARBON	39K	5%	1/4W	
R813	1-247-891-00	CARBON	330K	5%	1/4W	
R814	1-247-891-00	CARBON	330K	5%	1/4W	
R815	1-249-436-11	CARBON	39K	5%	1/4W	
R816	1-249-441-11	CARBON	100K	5%	1/4W	(606ES)
R817	1-249-441-11	CARBON	100K	5%	1/4W	
R820	1-249-417-11	CARBON	1K	5%	1/4W	F
R821	1-249-413-11	CARBON	470	5%	1/4W	F
R822	1-249-417-11	CARBON	1K	5%	1/4W	F
R823	1-249-429-11	CARBON	10K	5%	1/4W	
R824	1-249-429-11	CARBON	10K	5%	1/4W	
R825	1-249-433-11	CARBON	22K	5%	1/4W	
R826	1-249-429-11	CARBON	10K	5%	1/4W	
R827	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R828	1-249-410-11	CARBON	270	5%	1/4W	F
R829	1-247-887-00	CARBON	220K	5%	1/4W	
R831	1-249-413-11	CARBON	470	5%	1/4W	F
R832	1-249-441-11	CARBON	100K	5%	1/4W	
R833	1-249-441-11	CARBON	100K	5%	1/4W	
R834	1-249-441-11	CARBON	100K	5%	1/4W	
R835	1-249-441-11	CARBON	100K	5%	1/4W	
R836	1-249-429-11	CARBON	10K	5%	1/4W	
R837	1-249-429-11	CARBON	10K	5%	1/4W	
R839	1-249-433-11	CARBON	22K	5%	1/4W	
R848	1-249-429-11	CARBON	10K	5%	1/4W	(606ES)
R849	1-249-429-11	CARBON	10K	5%	1/4W	(606ES)
R850	1-249-429-11	CARBON	10K	5%	1/4W	(606ES)
R851	1-249-429-11	CARBON	10K	5%	1/4W	(606ES)
R852	1-249-405-11	CARBON	100	5%	1/4W	F(606ES)
R853	1-249-393-11	CARBON	10	5%	1/4W	F(606ES)
R854	1-249-436-11	CARBON	39K	5%	1/4W	
⚠R859	1-212-942-00	FUSIBLE	2.2	5%	1/2W	F
R861	1-247-852-11	CARBON	7.5K	5%	1/4W	
R862	1-249-431-11	CARBON	15K	5%	1/4W	
R863	1-247-866-11	CARBON	30K	5%	1/4W	
R864	1-247-862-11	CARBON	20K	5%	1/4W	
R865	1-247-852-11	CARBON	7.5K	5%	1/4W	
R866	1-249-431-11	CARBON	15K	5%	1/4W	
R867	1-247-866-11	CARBON	30K	5%	1/4W	
R869	1-249-429-11	CARBON	10K	5%	1/4W	
R870	1-249-429-11	CARBON	10K	5%	1/4W	
R871	1-249-429-11	CARBON	10K	5%	1/4W	
R872	1-249-429-11	CARBON	10K	5%	1/4W	
R873	1-249-441-11	CARBON	100K	5%	1/4W	
R874	1-249-441-11	CARBON	100K	5%	1/4W	
R875	1-249-441-11	CARBON	100K	5%	1/4W	
R876	1-249-429-11	CARBON	10K	5%	1/4W	
R877	1-249-429-11	CARBON	10K	5%	1/4W	

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description				Remarks
R878	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R879	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R880	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R881	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R882	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R883	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R884	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R885	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R886	1-249-430-11	CARBON	12K	5%	1/4W	
R887	1-249-435-11	CARBON	33K	5%	1/4W	
R888	1-249-441-11	CARBON	100K	5%	1/4W	
R889	1-249-425-11	CARBON	4.7K	5%	1/4W	F

< VARIABLE RESISTOR >

RV101	1-241-630-11	RES, ADJ, CARBON 10K
RV102	1-241-630-11	RES, ADJ, CARBON 10K
RV103	1-241-631-11	RES, ADJ, CARBON 22K
RV104	1-238-019-11	RES, ADJ, CARBON 47K
RV201	1-241-630-11	RES, ADJ, CARBON 10K
RV202	1-241-630-11	RES, ADJ, CARBON 10K
RV203	1-241-631-11	RES, ADJ, CARBON 22K
RV204	1-238-019-11	RES, ADJ, CARBON 47K
RV601	1-223-313-11	RES, VAR, CARBON 20K/20K(PHONE LEVEL)
RV801	1-238-019-11	RES, ADJ, CARBON 47K

< RELAY >

RY301	1-515-683-11	RELAY

< TRANSFORMER >

T101	1-433-335-11	TRANSFORMER, BIAS OSCILLATION
T201	1-433-335-11	TRANSFORMER, BIAS OSCILLATION
T301	1-433-336-11	TRANSFORMER, BIAS OSCILLATION

< VIBRATOR >

X801	1-579-175-11	VIBRATOR, CERAMIC

****

* A-2006-958-A PANEL BOARD, COMPLETE (INCLUDED ●A, B)
****

* 3-386-245-01 HOLDER (FL)

< CONNECTOR >

* CN602	1-568-832-11	SOCKET, CONNECTOR 13P
* CN603	1-568-839-11	SOCKET, CONNECTOR 23P
* CN604	1-568-828-11	SOCKET, CONNECTOR 9P
* CN605	1-568-832-11	SOCKET, CONNECTOR 13P

Ref. No.	Part No.	Description	Remarks

< CONNECTOR >

* CND309	1-564-341-51	PIN, CONNECTOR 7P

< DIODE >

D601	8-719-912-20	DIODE 1SS120
D602	8-719-912-20	DIODE 1SS120
D603	8-719-912-20	DIODE 1SS120
D901	8-719-912-20	DIODE 1SS120
D902	8-719-912-20	DIODE 1SS120
D903	8-719-912-20	DIODE 1SS120
D904	8-719-912-20	DIODE 1SS120
D905	8-719-912-20	DIODE 1SS120

< FILTER >

FL901	1-517-155-11	INDICATOR TUBE, FLUORESCENT

< IC >

IC901	8-741-100-48	IC SBX1610-59

< RESISTOR >

R901	1-247-836-11	CARBON	1.6K	5%	1/4W
R902	1-249-421-11	CARBON	2.2K	5%	1/4W F
R903	1-249-423-11	CARBON	3.3K	5%	1/4W F
R904	1-247-836-11	CARBON	1.6K	5%	1/4W
R905	1-249-421-11	CARBON	2.2K	5%	1/4W F
R906	1-249-423-11	CARBON	3.3K	5%	1/4W F
R907	1-249-426-11	CARBON	5.6K	5%	1/4W
R908	1-247-856-00	CARBON	11K	5%	1/4W
R909	1-247-866-11	CARBON	30K	5%	1/4W
R910	1-249-426-11	CARBON	5.6K	5%	1/4W
R913	1-247-838-00	CARBON	2K	5%	1/4W
R914	1-249-422-11	CARBON	2.7K	5%	1/4W F
R916	1-249-441-11	CARBON	100K	5%	1/4W
R917	1-249-441-11	CARBON	100K	5%	1/4W
R918	1-249-431-11	CARBON	15K	5%	1/4W
R919	1-247-864-11	CARBON	24K	5%	1/4W
R921	1-247-840-00	CARBON	2.4K	5%	1/4W

< VARIABLE RESISTOR >

RV604	1-223-314-11	RES, VAR, CARBON 50K/50K(REC LEVEL)
RV605	1-223-312-11	RES, VAR, CARBON 50K/50K(BALANCE)

< SWITCH >

S601	1-692-410-11	SWITCH, ROTARY(DOLBY NR)
S602	1-571-305-11	SWITCH, PUSH (1 KEY)(MPX FILTER)
S901	1-554-303-21	SWITCH, TACTILE(◀◀)
S902	1-554-303-21	SWITCH, TACTILE(▶▶)
S903	1-554-303-21	SWITCH, TACTILE(● REC)

PANEL | REEL | TRANSLATION

Ref. No.	Part No.	Description	Remarks
S904	1-554-303-21	SWITCH, TACTILE(■)	
S905	1-554-303-21	SWITCH, TACTILE(▶)	
S906	1-554-303-21	SWITCH, TACTILE(◀)	
S907	1-554-303-21	SWITCH, TACTILE(❚❚PAUSE)	
S908	1-554-303-21	SWITCH, TACTILE(●REC MUTE)	
S909	1-554-303-21	SWITCH, TACTILE(RESET)	
S910	1-554-303-21	SWITCH, TACTILE(MEMORY)	
S911	1-554-303-21	SWITCH, TACTILE(▲OPEN/CLOSE)	
S912	1-554-303-21	SWITCH, TACTILE(AUTO CAL)	
S915	1-692-409-11	SWITCH, PUSH (1 KEY)(POWER)	
S916	1-571-520-11	SWITCH, SLIDE(TIMER)	
S917	1-571-520-11	SWITCH, SLIDE(DIRECTION)	
*	1-632-741-11	REEL MOTOR BOARD	
		**********	
		< CAPACITOR >	
C1051	1-124-907-11	ELECT 10uF 20% 50V	
C1052	1-124-907-11	ELECT 10uF 20% 50V	
C1053	1-164-159-11	CERAMIC 0.1uF 50V	
		< CONNECTOR >	
* CN1051	1-564-499-11	PIN, CONNECTOR 6P	
* CN1052	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P	
* CN1053	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P	
		< RESISTOR >	
R1051	1-249-414-11	CARBON 560 5% 1/4W F	
*	1-634-323-11	TRANSLATION BOARD	
		**********	
		< CONNECTOR >	
* CN1091	1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P	
* CN1092	1-564-509-11	PLUG, CONNECTOR 6P	
* CN1093	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	
* CN1094	1-564-506-11	PLUG, CONNECTOR 3P	
		MISCELLANEOUS	
		**********	
16	1-751-140-11	WIRE (FLAT TYPE) (13 CORE)	
17	1-751-141-11	WIRE (FLAT TYPE) (23 CORE)	
18	1-575-782-11	WIRE, FLAT TYPE (9 CORE)	
⚠57	1-558-945-21	CORD, POWER (POLAR. SPT-1)	(606ES)
⚠57	1-575-651-21	CORD, POWER	(611S)
D1051	8-719-980-85	DIODE SLF325C	
IC1001	8-749-920-97	IC GP2S22B	
IC1002	8-749-920-97	IC GP2S22B	
M1051	X-3356-638-1	MOTOR (REEL R) ASSY	
M1052	X-3356-604-1	MOTOR (ASSIST) ASSY	
M1053	X-3356-646-1	MOTOR (CAPSTAN V1) ASSY	
⚠PT901	1-423-475-11	TRANSFORMER, POWER (606ES)	
⚠PT901	1-423-476-11	TRANSFORMER, POWER (611S)	
HRPE1001	A-2003-722-A	DECK ASSY, HEAD	
S1001	1-466-525-11	ENCODER, ROTARY	
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-558-271-11	CORD, CONNECTION	
	1-558-271-11	CORD, CONNECTION	
	1-696-170-11	CORD, CONNECTION	
*	3-350-830-01	CUSHION (606ES:US, 611S)	
*	3-388-322-21	INDIVIDUAL CARTON (611S)	
	3-756-291-11	MANUAL, INSTRUCTION (ENGLISH/FRENCH/SPANISH/PORTUGUESE) (611S)	
	3-756-291-21	MANUAL, INSTRUCTION (ENGLISH) (606ES)	
	3-756-291-31	MANUAL, INSTRUCTION (FRENCH) (606ES:CND)	
	3-756-291-41	MANUAL, INSTRUCTION (GERMAN/DUTCH/SWEDISH/ITALIAN) (611S)	

HARDWERE LIST

#1	7-682-548-09	SCREW +BVTT 3X8	(S)
#2	7-685-534-19	SCREW +BTP 2.6X8	TYPE2 N-S
#3	7-685-871-01	SCREW +BVTT 3X6	(S)
#4	7-682-547-09	SCREW +BVTT 3X6	(S)
#5	7-621-849-00	SCREW (BV/RING)	
#7	7-621-255-35	SCREW +BVTT 2X5	(S)
#8	7-621-770-67	SCREW +BVTT 2.6X6	(S)
#10	7-685-131-19	SCREW +BTP 2.6X4	TYPE2 N-S
#11	7-685-133-19	SCREW +BTP 2.6X6	TYPE2 N-S
#12	7-621-255-20	SCREW +BVTT 2X4	(S)

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TC-RX606ES/RX611S

SONY
SERVICE MANUAL

US Model
Canadian Model
TC-RX606ES

AEP Model
RX611S

CORRECTION-1

Correct your service manual as shown below.

☛ : **indicates corrected portion.**

Page	INCORRECT	CORRECT
9	Playback Level Adjustment : : : : Adjustment limits : LINE OUT level : 0.301~0.338V(−10.5dB~−9.5dB)	Playback Level Adjustment : : : : Adjustment limits : LINE OUT level : 0.302 ~ 0.338V(− 7.2 ~ − 8.2dB) ☛

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